

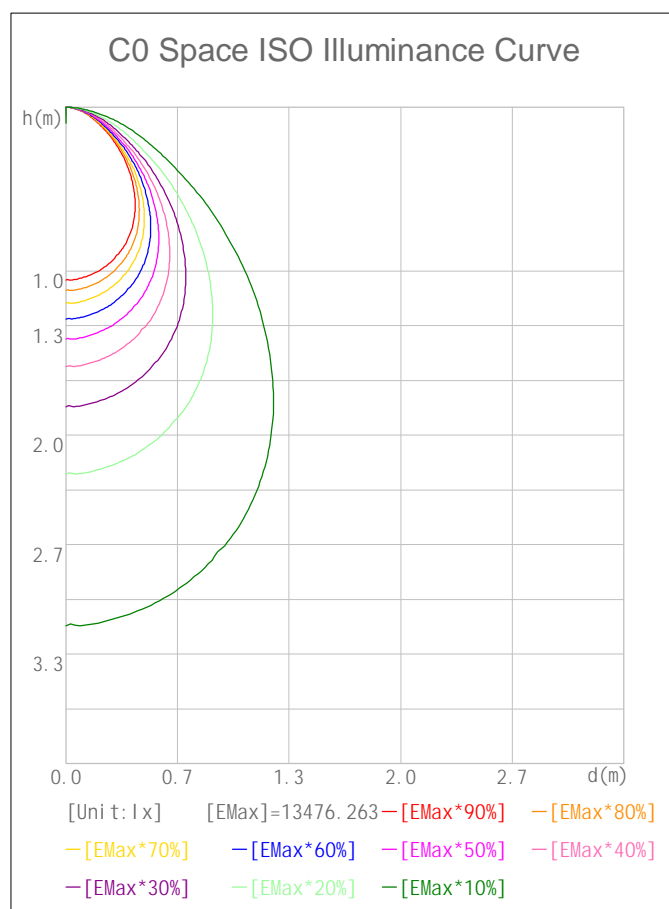
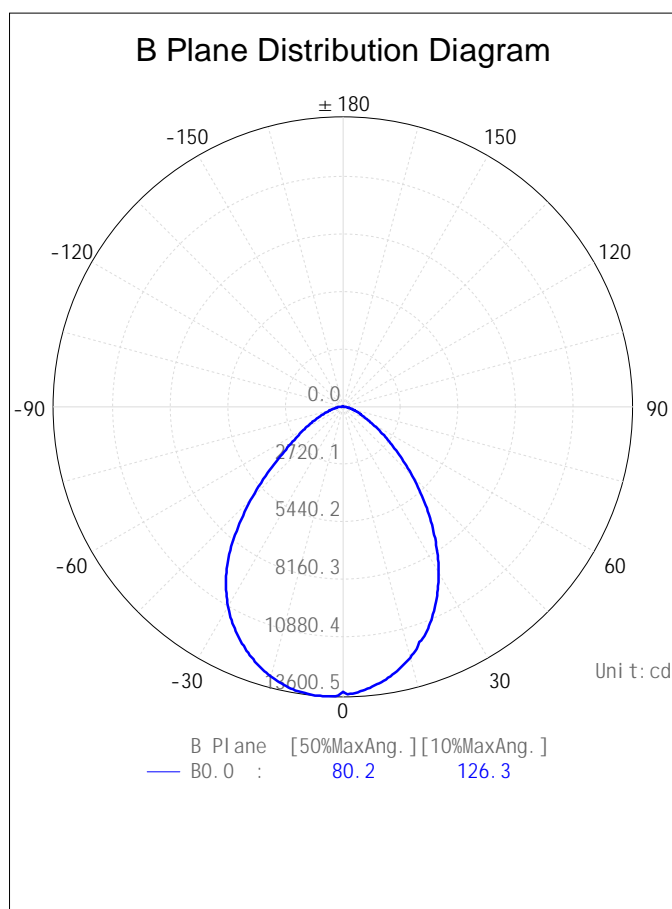
### Flood Luminaire Photometric Data

#### Description Information

Luminary Name: PUF0200W	Lum. Catalog:	Test ID: PUF0200W
Lamp Name:	Lamp Catalog:	Test Date: 2023/05/17
Manufacture: BBT LIGHTING	Shld. Ang(°):	Test Machine: GON-2000
Test Lab: 001	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H): 0.000m*0.000m*0.000m	Lum. Area(m <sup>2</sup> ): 0.000	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp.(°C): 25
		Humidity(%): 50.0

#### Character Parameter

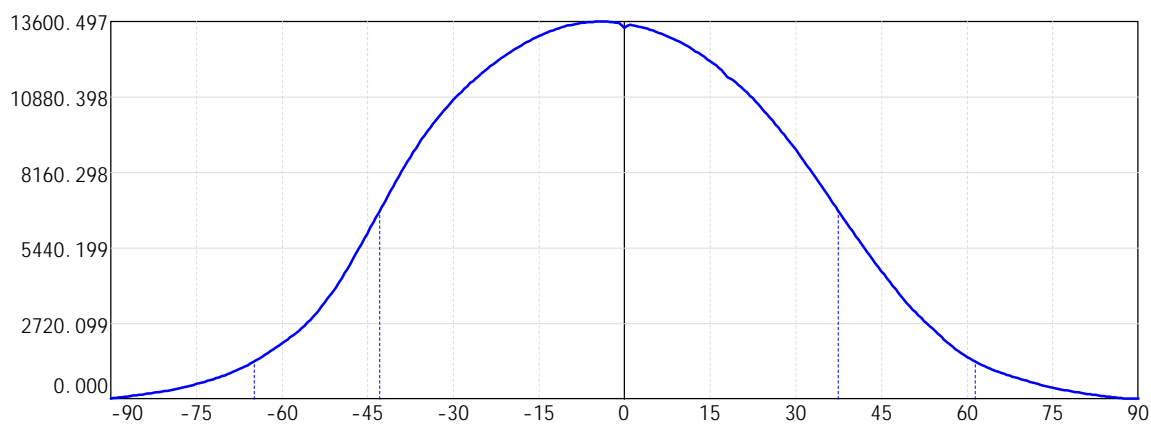
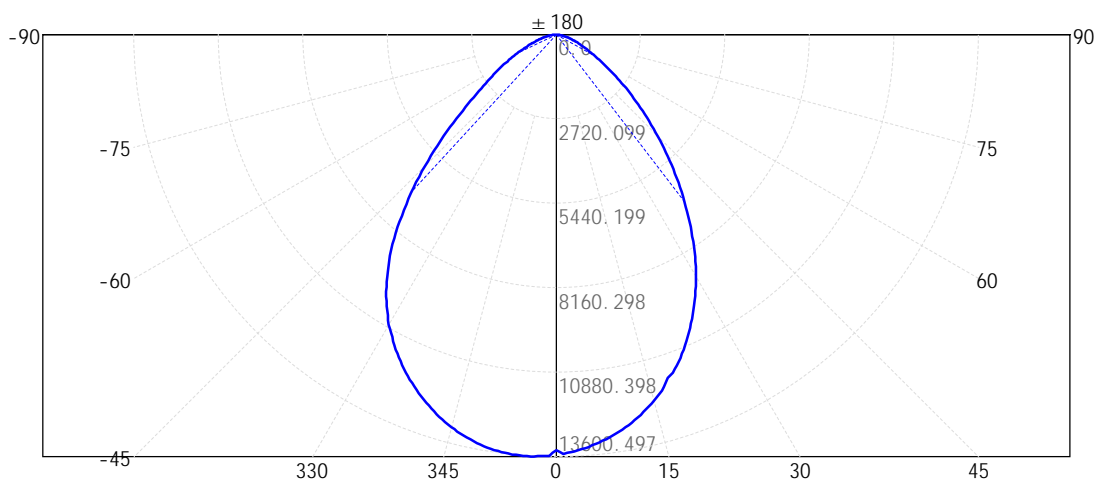
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1000.000	Luminary Flux(lm): 22927.771	Beam Lumens(lm): 14888.01
Rated Power(W):	Luminary Efficiency: 2292.78%	Beam Efficiency(%): 64.93
Rated Voltage(V):	Luminary EER(lm/W): 117.759	Field Lumens(lm): 21585.19
Tested Power(W): 194.700	Max. Candela(cd): 13600.497	Field Efficiency(%): 94.14
Lamps' Inside: 1	Max Cand@Ang. (°): B=0.0 β=-4.0	ErP φuse(90°): 17468.183lm
Tested Electrics(V, A, pf): 220.1, 0.934, 0.948	Beam Angle(50%)(V, H): 79.0(°), 80.2(°)	IRF(%): 152.562
Lamp Size(W*L*H): 0.000m*0.000m*0.000m	Field Angle(10%)(V, H): 125.3(°), 126.5(°)	



### 2D Plane Light Intensity Distribution Curve

Lum. Name: PUF0200W	Lum. Catalog:	Test ID: PUF0200W
Lamp Name:	Lamp Catalog:	Test Lab: 001
Manufacture: BBT LIGHTING	Test Machine: GON-2000	Test Date: 2023/05/17

#### B Plane Distribution Diagram



B Plane  
 B0.0 :

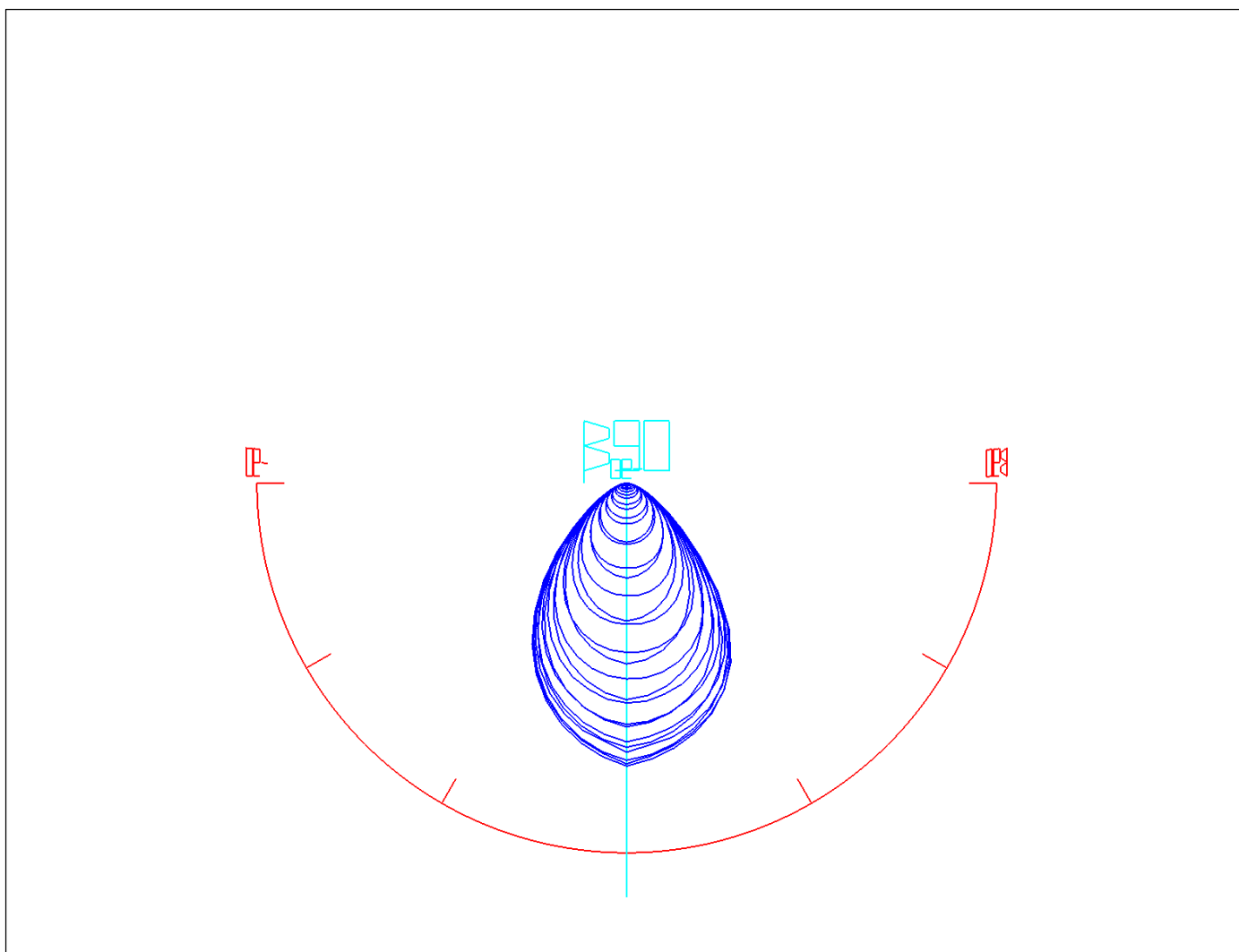
[50%MaxAng.]  
 80.2

[10%MaxAng.] t:cd  
 126.3

### 3D Light Intensity Distribution Modal

Lum. Name: PUF0200W	Lum. Catalog:	Test ID: PUF0200W
Lamp Name:	Lamp Catalog:	Test Lab: 001
Manufacture: BBT LIGHTING	Test Machine: GON-2000	Test Date: 2023/05/17

### 3D Light Intensity Distribution Modal



Curves: 3D Model — 3D Model — Fixture — Fixture — Vert. HUD — Vert. HUD — Hori. HUD — Hori. HUD —  
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0



# IES Flood Report

## Photometric Filename:BBT PUFO 200W.IES

### Zone Lumens Tabulation - (Cont.)

	β -30.0	β -25.0	β -20.0	β -15.0	β -10.0	β -5.0	β 0.0	β 5.0	β 10.0	β 15.0	β 20.0	β 25.0	β 30.0
B-60.0													
B-55.0	10.48	11.94	13.20	14.20	14.84	15.07	14.95	14.47	13.60	12.40	10.98	9.45	
B-50.0	14.58	16.85	18.90	20.55	21.63	22.04	21.86	21.13	19.78	17.93	15.74	13.33	
B-45.0	20.00	23.57	26.84	29.45	31.12	31.70	31.39	30.22	28.09	25.22	21.87	18.37	
B-40.0	27.19	32.36	36.81	40.14	42.15	42.75	42.25	40.72	37.96	34.14	29.54	24.54	
B-35.0	35.61	41.99	47.30	51.20	53.45	53.99	53.32	51.50	48.14	43.46	37.81	31.57	
B-30.0	44.16	51.55	57.48	61.67	64.05	64.56	63.81	61.84	58.07	52.70	46.04	38.62	
B-25.0	52.30	60.23	66.46	70.85	73.33	73.82	73.08	71.07	67.08	61.25	53.85	45.38	
B-20.0	59.37	67.59	74.02	78.57	81.16	81.67	80.95	78.95	74.81	68.67	60.76	51.51	
B-15.0	65.16	73.58	80.22	85.01	87.72	88.18	87.44	85.47	81.25	74.81	66.50	56.69	
B-10.0	69.71	78.33	85.25	90.25	93.08	93.49	92.74	90.78	86.24	79.65	70.95	60.71	
B-5.0	73.09	81.94	89.14	94.40	97.37	97.56	96.76	94.89	90.10	82.97	74.07	63.46	
B0.0	75.35	84.43	91.92	97.48	100.72	100.81	99.86	97.67	92.45	84.89	75.75	64.87	
B5.0	75.73	84.86	92.36	97.91	101.16	101.34	100.40	98.11	92.88	85.33	76.17	65.25	
B10.0	74.23	83.22	90.50	95.78	98.80	99.28	98.49	96.32	91.48	84.34	75.36	64.60	
B15.0	71.58	80.50	87.62	92.79	95.78	96.59	95.85	93.48	88.78	82.02	73.13	62.57	
B20.0	67.62	76.61	83.65	88.79	91.92	92.99	92.25	89.67	85.03	78.24	69.53	59.15	
B25.0	62.10	71.26	78.41	83.56	86.77	88.04	87.31	84.56	79.80	73.06	64.44	54.24	
B30.0	54.81	64.00	71.35	76.70	80.04	81.43	80.68	77.79	72.93	66.14	57.62	47.89	
B35.0	45.94	54.61	61.90	67.36	70.86	72.36	71.62	68.65	63.76	57.12	49.10	40.39	
B40.0	36.45	43.75	50.21	55.31	58.67	60.11	59.44	56.73	52.26	46.38	39.58	32.42	
B45.0	27.57	33.00	37.99	42.04	44.74	45.88	45.38	43.31	39.85	35.32	30.18	24.92	
B50.0	20.45	24.05	27.36	30.07	31.89	32.62	32.31	30.99	28.71	25.73	22.34	18.82	
B55.0	15.03	17.40	19.53	21.23	22.37	22.82	22.64	21.86	20.46	18.56	16.28	13.78	
B60.0	10.85	12.39	13.75	14.83	15.55	15.84	15.72	15.18	14.23	12.95	11.44	9.83	
B65.0	7.59	8.57	9.42	10.08	10.50	10.65	10.56	10.22	9.64	8.86	7.94	6.94	
B70.0	5.17	5.76	6.26	6.65	6.89	6.98	6.93	6.74	6.40	5.94	5.39	4.77	
B75.0	3.34	3.69	3.98	4.20	4.33	4.37	4.34	4.24	4.04	3.77	3.44	3.07	
B80.0	1.98	2.15	2.30	2.40	2.46	2.46	2.44	2.39	2.29	2.15	1.98	1.78	
B85.0	1.00	1.07	1.11	1.14	1.15	1.14	1.12	1.10	1.07	1.01	0.93	0.85	
B90.0	0.32	0.32	0.32	0.31	0.30	0.28	0.27	0.27	0.26	0.25	0.23	0.21	
<b>Total</b>	<b>36.95</b>	<b>46.14</b>	<b>57.30</b>	<b>70.86</b>	<b>87.12</b>	<b>106.19</b>	<b>127.63</b>	<b>150.90</b>	<b>175.45</b>	<b>200.51</b>	<b>225.28</b>	<b>249.27</b>	

	β 30.0	β 35.0	β 40.0	β 45.0	β 50.0	β 55.0	β 60.0	β 65.0	β 70.0	β 75.0	β 80.0	β 85.0	β 90.0
B-90.0													
B-85.0	0.21	0.18	0.16	0.13	0.11	0.08	0.06	0.05	0.03	0.02	0.01	0.00	
B-80.0	0.74	0.64	0.54	0.44	0.34	0.25	0.18	0.11	0.06	0.03	0.01	0.00	
B-75.0	1.53	1.31	1.10	0.89	0.70	0.52	0.36	0.23	0.13	0.06	0.02	0.00	
B-70.0	2.60	2.20	1.82	1.45	1.12	0.82	0.57	0.37	0.21	0.09	0.03	0.00	
B-65.0	3.97	3.34	2.73	2.15	1.63	1.18	0.81	0.51	0.29	0.13	0.04	0.01	
B-60.0	5.66	4.73	3.83	2.99	2.24	1.60	1.07	0.67	0.38	0.18	0.05	0.01	
B-55.0	7.90	6.43	5.11	3.96	2.94	2.07	1.38	0.85	0.47	0.22	0.07	0.01	
B-50.0	10.92	8.69	6.72	5.05	3.71	2.60	1.70	1.03	0.56	0.26	0.08	0.01	
B-45.0	14.90	11.60	8.73	6.39	4.55	3.15	2.05	1.23	0.66	0.30	0.09	0.01	
B-40.0	19.63	15.19	11.22	7.97	5.53	3.73	2.41	1.43	0.75	0.34	0.10	0.01	
B-35.0	25.17	19.18	14.10	9.83	6.61	4.34	2.76	1.62	0.85	0.37	0.12	0.01	
B-30.0	30.98	23.58	17.10	11.89	7.79	4.98	3.10	1.82	0.94	0.41	0.13	0.01	

**IES Flood Report**  
**Photometric Filename:BBT PUFO 200W.IES**

**Zone Lumens Tabulation - (Cont.)**

	β 30.0	β 35.0	β 40.0	β 45.0	β 50.0	β 55.0	β 60.0	β 65.0	β 70.0	β 75.0	β 80.0	β 85.0	β 90.0
B-30.0	36.53	27.97	20.19	13.92	9.04	5.63	3.43	1.99	1.02	0.44	0.14	0.01	
B-25.0	41.62	31.97	23.17	15.83	10.27	6.25	3.74	2.15	1.10	0.47	0.14	0.01	
B-20.0	46.00	35.40	25.75	17.54	11.35	6.81	4.00	2.28	1.16	0.49	0.15	0.02	
B-15.0	49.45	38.12	27.78	18.93	12.21	7.29	4.22	2.38	1.21	0.51	0.15	0.02	
B-10.0	51.81	39.98	29.16	19.90	12.80	7.63	4.37	2.45	1.24	0.52	0.16	0.02	
B-5.0	52.97	40.88	29.82	20.38	13.10	7.80	4.45	2.49	1.26	0.53	0.16	0.02	
B0.0	53.27	41.06	29.89	20.39	13.11	7.81	4.45	2.49	1.26	0.53	0.16	0.02	
B5.0	52.69	40.50	29.36	19.95	12.83	7.65	4.39	2.46	1.25	0.52	0.16	0.02	
B10.0	50.82	38.88	28.05	19.00	12.26	7.33	4.24	2.39	1.21	0.51	0.15	0.02	
B15.0	47.66	36.23	26.01	17.62	11.42	6.86	4.03	2.29	1.16	0.49	0.15	0.02	
B20.0	43.27	32.70	23.37	15.94	10.37	6.30	3.77	2.16	1.10	0.47	0.14	0.01	
B25.0	37.85	28.45	20.35	14.07	9.15	5.69	3.47	2.01	1.03	0.44	0.14	0.01	
B30.0	31.75	23.84	17.29	12.06	7.90	5.05	3.14	1.83	0.94	0.41	0.13	0.01	
B35.0	25.51	19.43	14.34	10.00	6.72	4.41	2.80	1.64	0.85	0.37	0.12	0.01	
B40.0	19.97	15.50	11.47	8.14	5.64	3.80	2.44	1.44	0.76	0.34	0.10	0.01	
B45.0	15.30	11.91	8.95	6.56	4.67	3.21	2.08	1.24	0.66	0.30	0.09	0.01	
B50.0	11.28	8.96	6.93	5.21	3.80	2.64	1.72	1.04	0.56	0.26	0.08	0.01	
B55.0	8.22	6.68	5.29	4.07	3.00	2.10	1.39	0.85	0.47	0.22	0.07	0.01	
B60.0	5.90	4.90	3.95	3.06	2.28	1.62	1.09	0.68	0.38	0.18	0.05	0.01	
B65.0	4.11	3.44	2.79	2.19	1.65	1.19	0.82	0.52	0.29	0.13	0.04	0.01	
B70.0	2.67	2.26	1.85	1.48	1.13	0.83	0.58	0.37	0.21	0.09	0.03	0.00	
B75.0	1.57	1.34	1.12	0.91	0.71	0.53	0.36	0.23	0.13	0.06	0.02	0.00	
B80.0	0.75	0.65	0.54	0.44	0.34	0.25	0.17	0.11	0.06	0.03	0.01	0.00	
B85.0	0.19	0.17	0.14	0.12	0.10	0.08	0.06	0.04	0.03	0.02	0.01	0.00	
B90.0													
<b>Total</b>	272.14	293.60	313.48	331.63	347.90	362.07	373.98	383.46	390.40	394.60	395.95	394.21	

	β 90.0	Total
B-90.0		1.40
B-85.0		2.74
B-80.0		4.57
B-75.0		6.81
B-70.0		9.45
B-65.0		12.58
B-60.0		16.21
B-55.0		20.36
B-50.0		25.02
B-45.0		30.39
B-40.0		36.69
B-35.0		44.28
B-30.0		53.04
B-25.0		63.13
B-20.0		74.66
B-15.0		88.02
B-10.0		103.60
B-5.0		121.16
B0.0		

# IES Flood Report

Photometric Filename:BBT PUFO 200W.IES

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## Zone Lumens Tabulation - (Cont.)

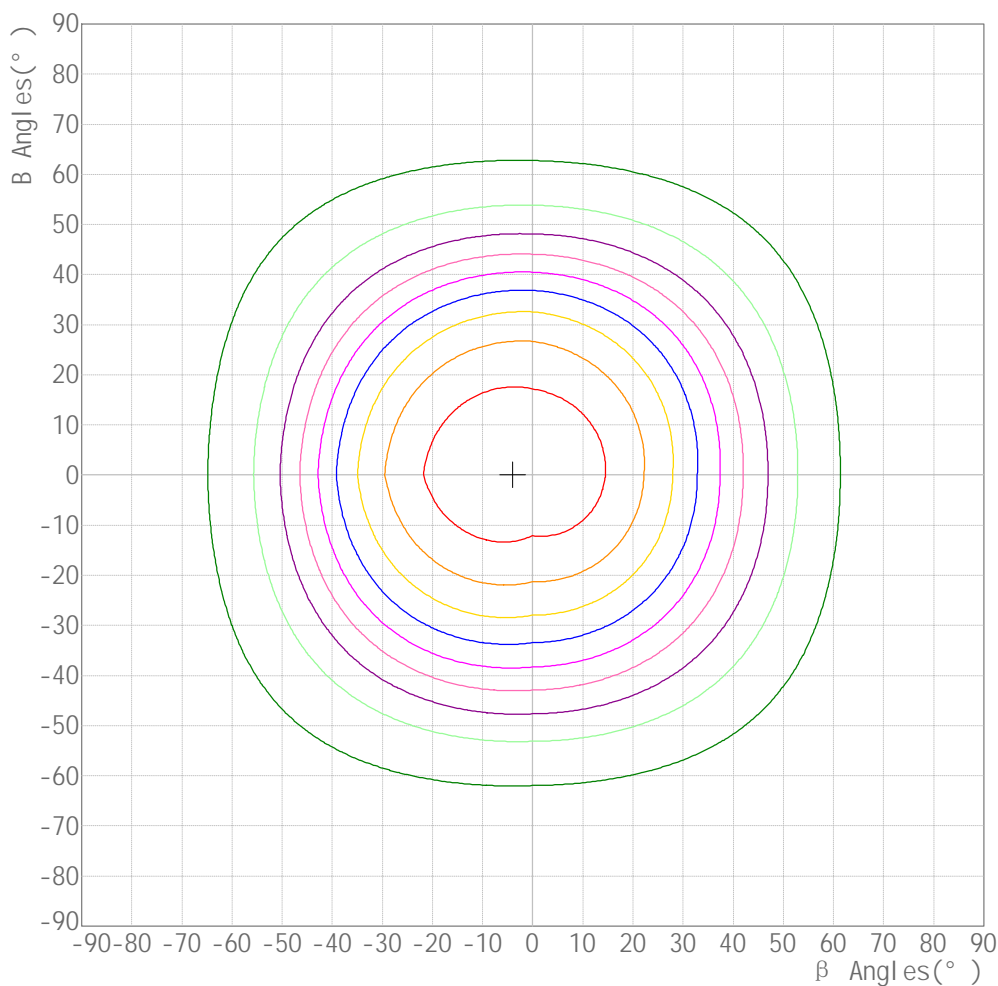
$\beta$ 90.0	Total
B0.0	140.17
B5.0	160.10
B10.0	180.72
B15.0	201.54
B20.0	222.12
B25.0	242.06
B30.0	261.14
B35.0	279.06
B40.0	295.79
B45.0	311.28
B50.0	325.44
B55.0	338.25
B60.0	349.74
B65.0	359.90
B70.0	368.69
B75.0	376.06
B80.0	382.13
B85.0	387.16
B90.0	387.16
Total	22927.77

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**Rectangle ISO Lighting Intensity Diagram**

Lum. Name: PUF0200W	Lum. Catalog:	Test ID: PUF0200W
Lamp Name:	Lamp Catalog:	Test Lab: 001
Manufacture: BBT LIGHTING	Test Machine: GON-2000	Test Date: 2023/05/17

ISO Lighting Intensity Curve



- Curves:  
 [Unit: cd]  
 [IMax] =13600.497
- [IMax\*90%]=12240.447
  - [IMax\*80%]=10880.398
  - [IMax\*70%]=9520.348
  - [IMax\*60%]=8160.298
  - [IMax\*50%]=6800.249
  - [IMax\*40%]=5440.199
  - [IMax\*30%]=4080.149
  - [IMax\*20%]=2720.099
  - [IMax\*10%]=1360.050

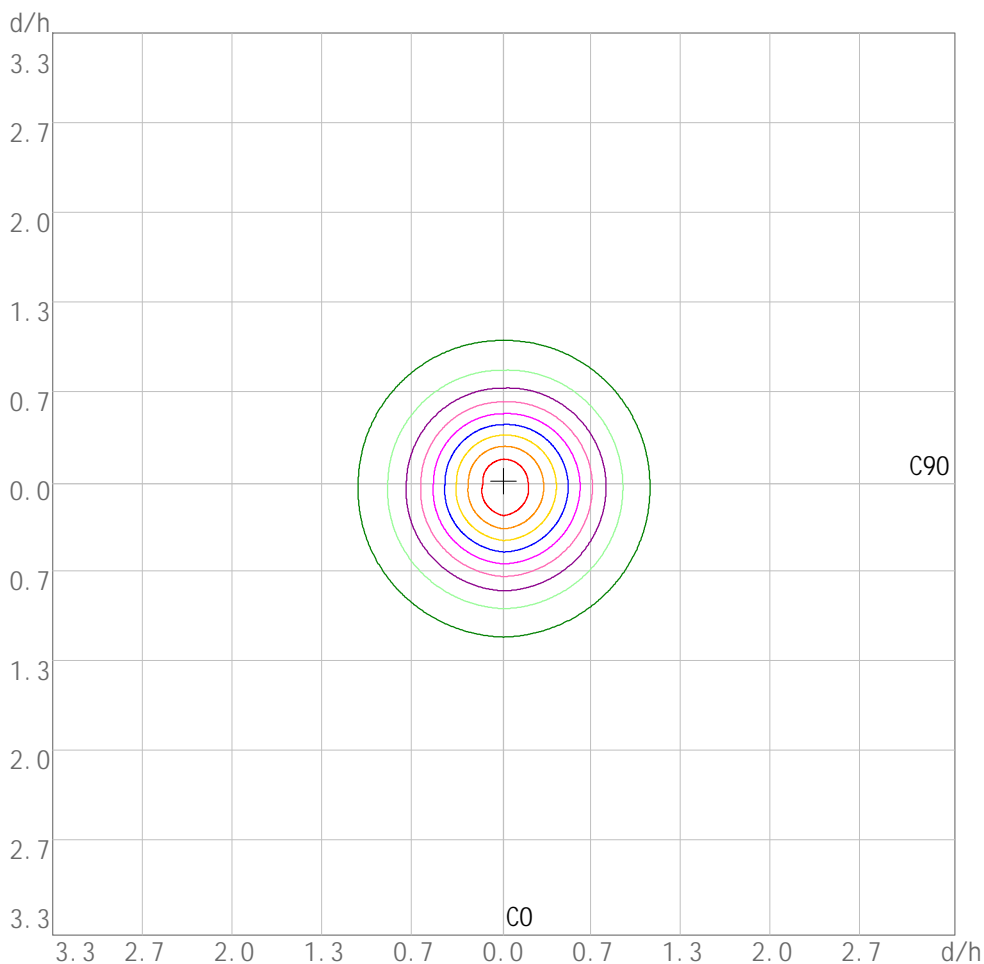
Maximum Light Intensity(cd): 13600.50  
 Maximum Cand. @Angle: H=-4.0°,V=0.0°



**Plane ISO-Illuminance Diagram**

Lum. Name: PUF0200W	Lum. Catalog:	Test ID: PUF0200W
Lamp Name:	Lamp Catalog:	Test Lab: 001
Manufacture: BBT LIGHTING	Test Machine: GON-2000	Test Date: 2023/05/17

Plane ISO-Illuminance Curve



- Curves:  
unit:lx  
[EMax] =1505.443
- [EMax\*90%]=1354.899
  - [EMax\*80%]=1204.354
  - [EMax\*70%]=1053.810
  - [EMax\*60%]=903.266
  - [EMax\*50%]=752.722
  - [EMax\*40%]=602.177
  - [EMax\*30%]=451.633
  - [EMax\*20%]=301.089
  - [EMax\*10%]=150.544

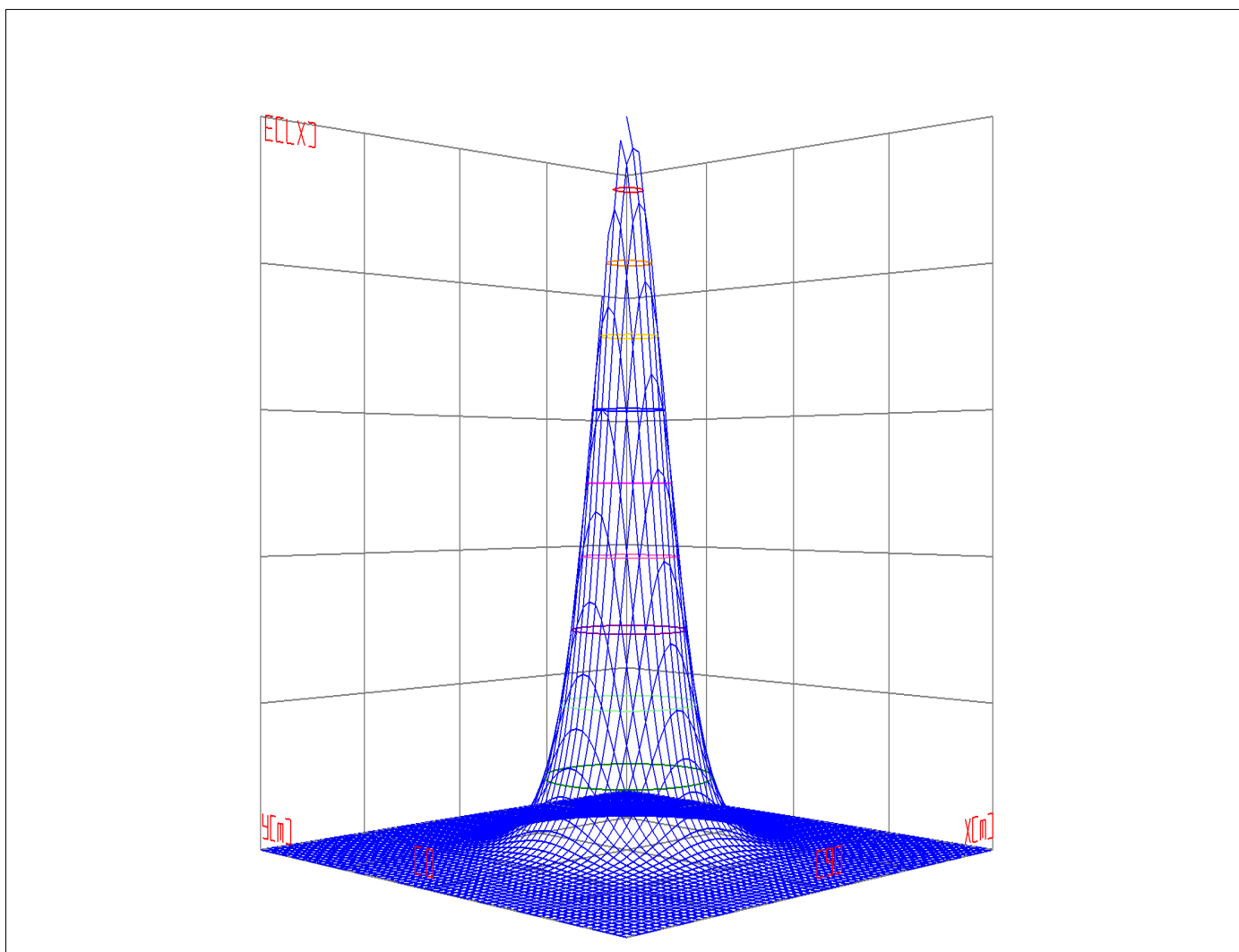
Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 1505.44  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

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### 3D Plane ISO Illuminance Diagram

Lum. Name: PUF0200W	Lum. Catalog:	Test ID: PUF0200W
Lamp Name:	Lamp Catalog:	Test Lab: 001
Manufacture: BBT LIGHTING	Test Machine: GON-2000	Test Date: 2023/05/17

3D Plane Illuminance Modal



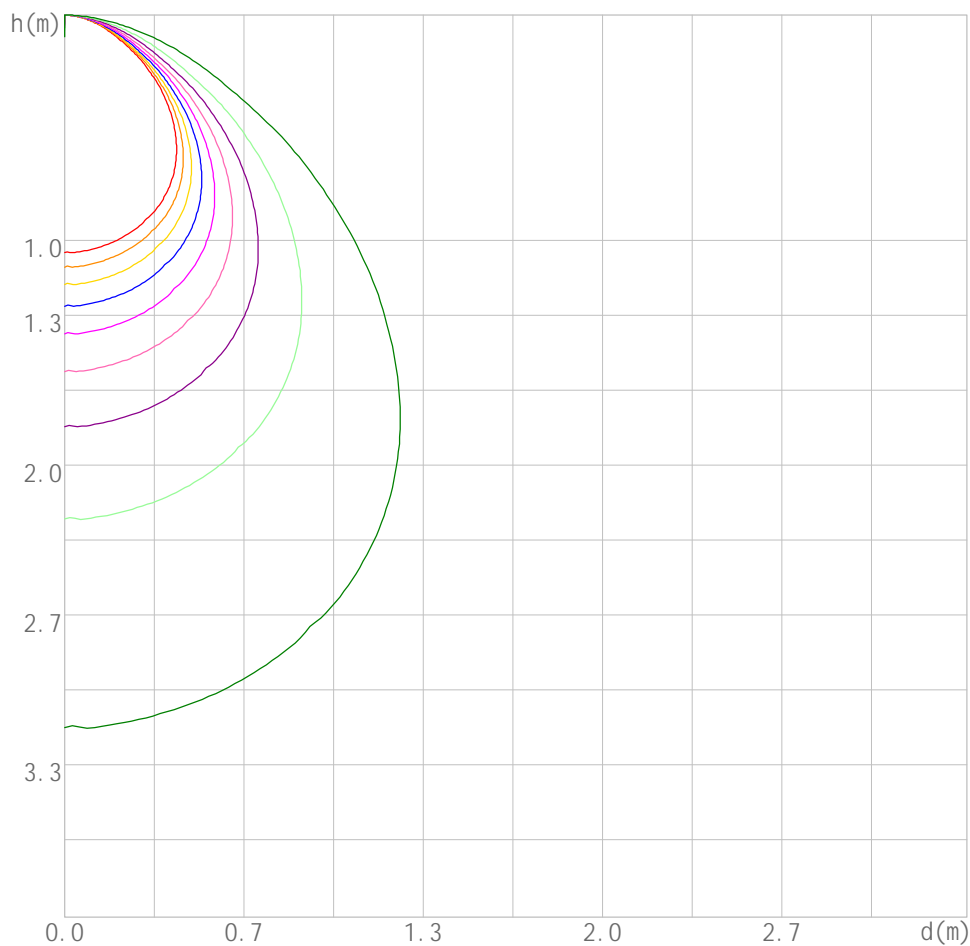
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0

---

### Space ISO Illuminance Diagram

Lum. Name: PUF0200W	Lum. Catalog:	Test ID: PUF0200W
Lamp Name:	Lamp Catalog:	Test Lab: 001
Manufacture: BBT LIGHTING	Test Machine: GON-2000	Test Date: 2023/05/17

Space ISO Illuminance Curve



- Curves:  
 [Unit: lx]  
 [EMax] =13476.263
- [EMax\*90%]=12128.636
  - [EMax\*80%]=10781.010
  - [EMax\*70%]=9433.384
  - [EMax\*60%]=8085.758
  - [EMax\*50%]=6738.131
  - [EMax\*40%]=5390.505
  - [EMax\*30%]=4042.879
  - [EMax\*20%]=2695.253
  - [EMax\*10%]=1347.626

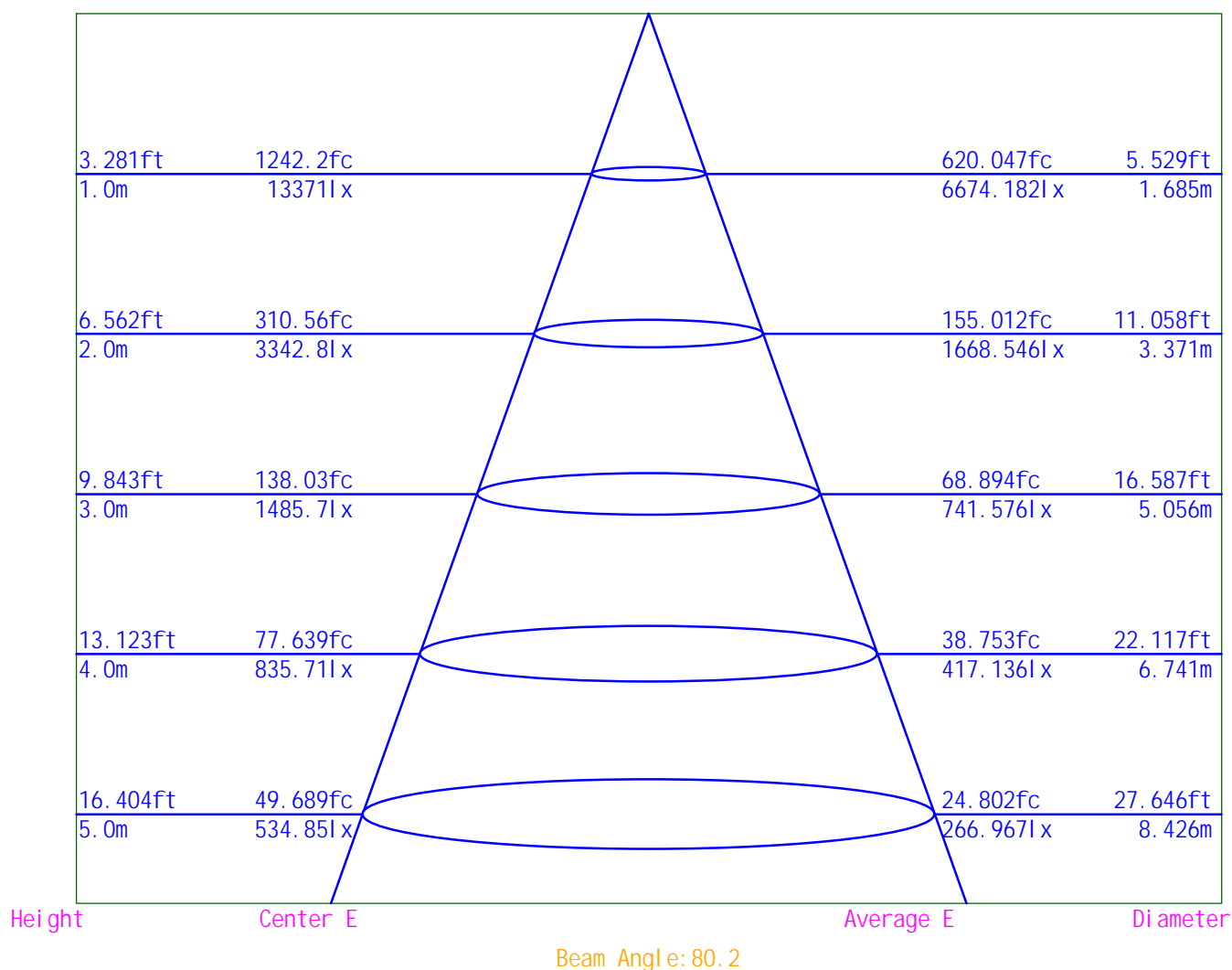
Space Plane Maximum Illuminance and @Angle:13476.26lx,1.5deg  
 Plane Maximum Lighting Intensity and @Angle:13490.126cd,0deg

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**Illuminance-Distance Diagram**

Lum. Name: PUF0200W	Lum. Catalog:	Test ID: PUF0200W
Lamp Name:	Lamp Catalog:	Test Lab: 001
Manufacture: BBT LIGHTING	Test Machine: GON-2000	Test Date: 2023/05/17

Illuminance-Distance Curve



**IES Flood Report**  
**Photometric Filename:BBT PUFO 200W.IES**

**Candela Tabulation**

V/H	$\beta$ -90.0	$\beta$ -85.0	$\beta$ -80.0	$\beta$ -75.0	$\beta$ -70.0	$\beta$ -65.0	$\beta$ -60.0	$\beta$ -55.0	$\beta$ -50.0	$\beta$ -45.0	$\beta$ -40.0	$\beta$ -35.0
B-90.0	26.0	25.4	24.8	24.2	23.6	23.0	22.4	21.8	21.2	20.7	20.1	19.5
B-85.0	26.0	36.8	46.4	54.4	61.3	67.3	72.4	76.6	80.5	83.8	86.2	88.0
B-80.0	26.0	48.0	66.5	83.0	98.9	114.5	129.9	144.4	158.3	171.4	183.8	194.5
B-75.0	26.0	58.5	86.1	113.2	141.1	168.9	197.6	226.1	254.7	283.8	312.5	339.7
B-70.0	26.0	68.4	106.1	145.6	186.3	229.7	275.1	325.5	380.1	432.3	484.1	533.3
B-65.0	26.0	78.1	126.9	178.6	235.1	297.2	370.4	448.6	530.2	614.1	697.9	777.0
B-60.0	26.0	87.4	147.6	213.3	286.8	377.4	479.1	589.1	709.3	834.2	963.5	1095.9
B-55.0	26.0	96.3	167.9	248.1	344.6	464.2	598.3	750.6	920.3	1106.5	1308.0	1528.7
B-50.0	26.0	105.1	187.9	283.6	409.0	556.3	731.2	935.1	1173.7	1449.1	1752.3	2048.6
B-45.0	26.0	113.6	207.3	320.2	471.3	653.2	874.7	1144.4	1474.4	1854.6	2245.5	2700.2
B-40.0	26.0	121.4	226.2	357.9	534.7	753.6	1028.1	1379.6	1814.8	2280.1	2855.2	3532.0
B-35.0	26.0	128.7	243.5	395.7	596.5	854.0	1193.9	1637.6	2149.1	2785.2	3592.7	4540.8
B-30.0	26.0	135.3	259.2	431.3	655.9	956.9	1362.2	1896.6	2509.3	3362.7	4436.2	5601.2
B-25.0	26.0	141.1	273.0	461.8	712.3	1051.4	1526.6	2124.4	2892.8	3968.8	5288.9	6605.3
B-20.0	26.0	145.9	285.7	487.9	761.5	1140.4	1679.9	2340.3	3277.8	4572.7	6073.8	7517.2
B-15.0	26.0	149.8	295.9	510.5	802.3	1218.8	1811.7	2536.9	3626.0	5118.1	6742.9	8285.9
B-10.0	26.0	152.7	303.6	527.4	833.6	1280.8	1915.4	2699.2	3906.8	5541.7	7278.0	8866.1
B-5.0	26.0	154.6	308.6	538.4	854.2	1321.7	1984.6	2810.4	4108.1	5836.2	7648.1	9269.7
B0.0	26.0	155.5	310.9	543.3	863.5	1340.5	2016.8	2860.4	4199.4	5978.3	7841.6	9498.3
B5.0	26.0	154.6	308.7	538.6	855.0	1323.8	1987.7	2814.9	4112.4	5848.7	7689.4	9348.3
B10.0	26.0	152.7	303.7	527.9	835.3	1284.9	1921.3	2708.0	3915.8	5561.3	7350.5	9012.5
B15.0	26.0	149.8	296.2	511.3	804.7	1224.4	1819.9	2549.7	3639.6	5138.6	6830.1	8476.1
B20.0	26.0	145.9	286.0	488.9	764.2	1147.0	1689.6	2356.2	3297.6	4592.1	6147.5	7713.7
B25.0	26.0	141.0	273.4	462.9	715.2	1058.4	1538.8	2142.1	2918.0	3991.8	5338.7	6769.7
B30.0	26.0	135.2	259.6	432.3	658.7	964.3	1377.9	1917.2	2538.0	3392.9	4467.5	5700.4
B35.0	26.0	128.6	244.0	396.8	599.2	861.7	1209.0	1656.7	2178.2	2823.7	3631.3	4585.1
B40.0	26.0	121.3	226.6	359.0	537.5	760.3	1040.9	1403.6	1844.2	2319.1	2903.5	3579.8
B45.0	26.0	113.4	207.7	321.3	474.0	658.3	886.7	1165.3	1501.5	1893.0	2293.3	2758.6
B50.0	26.0	104.9	188.2	284.8	411.0	560.6	740.5	951.1	1201.6	1482.1	1796.3	2102.3
B55.0	26.0	96.0	168.1	249.2	346.5	468.1	604.6	763.4	939.9	1137.7	1351.9	1571.9
B60.0	26.0	87.1	147.7	214.1	288.7	380.1	484.3	596.8	723.3	856.2	992.2	1138.0
B65.0	26.0	77.8	126.5	179.2	236.6	299.7	373.8	454.6	538.5	626.0	716.9	803.8
B70.0	26.0	68.1	105.7	145.7	187.2	231.6	278.1	329.2	385.1	440.3	494.3	545.8
B75.0	26.0	58.2	85.5	112.6	141.2	169.8	199.5	229.0	258.7	288.6	318.1	346.3
B80.0	26.0	47.7	65.9	82.2	97.8	113.7	129.9	145.2	160.0	173.8	187.2	198.8
B85.0	26.0	36.4	45.8	53.5	60.1	65.8	70.7	74.6	78.3	81.5	83.9	85.8
B90.0	26.0	25.1	24.2	23.3	22.4	21.5	20.6	19.7	18.8	17.9	17.0	16.1
V/H	$\beta$ -30.0	$\beta$ -25.0	$\beta$ -20.0	$\beta$ -15.0	$\beta$ -10.0	$\beta$ -5.0	$\beta$ 0.0	$\beta$ 5.0	$\beta$ 10.0	$\beta$ 15.0	$\beta$ 20.0	$\beta$ 25.0
B-90.0	18.9	18.3	17.7	17.1	16.5	15.9	15.3	15.2	15.0	14.9	14.7	14.6
B-85.0	89.4	89.9	89.5	88.2	86.0	83.0	79.1	79.2	78.4	76.7	74.2	70.9
B-80.0	203.3	210.3	216.2	219.5	220.4	218.7	214.5	213.9	210.8	205.3	197.5	187.4
B-75.0	364.6	384.9	400.6	412.3	418.5	419.2	414.5	412.1	404.4	391.5	373.5	352.1
B-70.0	578.2	618.4	650.1	672.7	685.9	689.3	683.2	678.9	665.6	643.1	612.0	572.9
B-65.0	853.9	920.8	977.5	1021.0	1048.2	1056.8	1047.5	1037.7	1011.4	969.2	914.9	851.0
B-60.0	1223.4	1348.0	1458.7	1538.2	1591.8	1613.5	1602.8	1582.6	1531.5	1452.0	1352.3	1229.7

**IES Flood Report**  
**Photometric Filename:BBT PUFO 200W.IES**

**Candela Tabulation - (Cont.)**

V/H	$\beta$ -30.0	$\beta$ -25.0	$\beta$ -20.0	$\beta$ -15.0	$\beta$ -10.0	$\beta$ -5.0	$\beta$ 0.0	$\beta$ 5.0	$\beta$ 10.0	$\beta$ 15.0	$\beta$ 20.0	$\beta$ 25.0
B-55.0	1735.5	1923.6	2094.8	2238.3	2338.4	2386.3	2380.2	2351.8	2270.0	2137.5	1963.0	1760.7
B-50.0	2361.5	2673.5	2961.9	3206.2	3379.4	3469.5	3463.1	3408.6	3266.0	3052.7	2783.3	2485.6
B-45.0	3196.7	3696.6	4162.9	4530.3	4777.1	4884.7	4860.4	4779.9	4579.7	4260.3	3857.3	3382.6
B-40.0	4275.8	4977.6	5562.0	5988.8	6266.9	6378.5	6326.9	6224.3	5971.6	5580.2	5082.0	4477.5
B-35.0	5484.4	6304.3	6976.9	7462.3	7742.4	7840.6	7761.2	7651.2	7368.8	6921.9	6316.2	5588.8
B-30.0	6678.7	7606.4	8304.0	8789.7	9070.2	9163.6	9068.6	8963.8	8670.1	8187.0	7516.2	6688.6
B-25.0	7802.1	8747.5	9445.9	9929.4	10204.9	10287.4	10178.7	10092.2	9805.0	9313.0	8604.4	7706.2
B-20.0	8751.8	9695.6	10390.7	10871.3	11156.7	11242.2	11124.3	11051.5	10764.3	10251.7	9524.6	8585.3
B-15.0	9520.4	10456.7	11155.1	11651.9	11944.1	12020.1	11878.3	11825.7	11510.3	11027.6	10266.8	9295.9
B-10.0	10102.9	11045.8	11758.0	12274.2	12581.3	12658.0	12479.3	12456.6	12153.2	11552.0	10830.2	9817.2
B-5.0	10526.6	11466.8	12203.2	12747.3	13078.2	13148.5	12862.2	12920.5	12598.5	11997.9	11185.9	10141.0
B0.0	10781.2	11732.9	12494.7	13073.8	13453.5	13592.0	13371.4	13267.7	12831.1	12178.0	11326.6	10256.3
B5.0	10632.6	11585.4	12325.9	12868.2	13194.0	13273.2	13048.1	13045.2	12714.2	12118.8	11308.5	10259.6
B10.0	10310.1	11284.0	12009.3	12534.3	12841.2	12936.4	12834.0	12735.0	12413.1	11812.1	11081.6	10055.3
B15.0	9809.7	10808.4	11542.9	12062.5	12384.1	12498.6	12440.8	12304.2	11950.4	11438.2	10654.6	9647.7
B20.0	9087.4	10143.7	10910.5	11439.8	11774.7	11931.2	11920.2	11740.5	11382.4	10820.1	10044.4	9033.4
B25.0	8122.8	9226.8	10054.8	10627.5	10990.4	11164.3	11171.4	10969.0	10590.4	10011.1	9213.2	8185.4
B30.0	6918.4	8022.8	8894.8	9530.2	9943.8	10152.3	10174.2	9952.5	9543.7	8927.5	8107.0	7104.9
B35.0	5609.4	6573.2	7411.7	8071.3	8508.6	8742.2	8776.1	8552.9	8135.1	7530.9	6751.0	5857.6
B40.0	4324.7	5078.3	5762.8	6331.7	6729.8	6950.7	6976.1	6796.5	6434.5	5923.1	5282.9	4578.2
B45.0	3254.5	3753.4	4227.5	4628.3	4928.2	5092.6	5101.6	4987.8	4730.8	4358.3	3922.0	3439.4
B50.0	2428.2	2749.1	3041.6	3284.7	3463.2	3553.7	3551.4	3492.7	3349.8	3131.2	2863.0	2561.3
B55.0	1794.0	1988.4	2173.0	2327.9	2437.9	2494.3	2496.3	2459.8	2369.6	2227.1	2041.2	1825.4
B60.0	1278.2	1402.9	1517.4	1608.9	1673.2	1704.2	1700.9	1673.2	1612.9	1522.8	1411.0	1284.6
B65.0	886.4	960.0	1026.7	1080.8	1117.5	1134.1	1131.0	1115.0	1080.7	1029.0	964.1	890.3
B70.0	594.2	639.0	676.9	705.1	723.3	730.9	728.1	720.6	703.0	675.5	638.8	593.5
B75.0	372.4	395.4	413.7	427.0	434.8	436.8	433.3	429.7	420.6	406.1	386.5	362.6
B80.0	208.5	216.4	223.1	227.3	228.9	227.9	224.3	223.1	219.3	213.0	204.4	193.4
B85.0	87.7	88.6	88.7	87.8	85.9	83.1	79.4	79.3	78.3	76.3	73.4	69.6
B90.0	15.2	14.3	13.4	12.5	11.6	10.8	9.9	10.0	10.2	10.3	10.5	10.6
V/H	$\beta$ 30.0	$\beta$ 35.0	$\beta$ 40.0	$\beta$ 45.0	$\beta$ 50.0	$\beta$ 55.0	$\beta$ 60.0	$\beta$ 65.0	$\beta$ 70.0	$\beta$ 75.0	$\beta$ 80.0	$\beta$ 85.0
B-90.0	14.4	14.2	14.1	13.9	13.8	13.6	13.5	13.3	13.2	13.0	12.9	12.7
B-85.0	66.7	61.6	56.4	50.9	44.7	38.3	32.0	25.1	20.4	16.7	14.0	13.1
B-80.0	176.4	163.8	149.8	134.3	118.2	101.3	83.7	65.2	48.0	32.0	19.3	13.6
B-75.0	326.9	298.4	269.2	238.7	207.3	176.7	147.0	116.9	87.0	57.0	31.6	15.7
B-70.0	527.5	478.5	425.6	371.0	318.2	266.4	217.1	171.8	129.1	87.5	47.8	18.6
B-65.0	779.4	701.3	620.2	536.3	453.9	373.0	299.0	232.4	172.5	118.3	65.7	22.6
B-60.0	1097.8	972.0	850.5	730.3	612.1	498.8	393.6	299.5	218.4	149.2	85.5	29.7
B-55.0	1547.8	1339.6	1131.5	950.5	790.8	639.1	499.0	373.5	268.1	179.7	104.3	36.5
B-50.0	2155.1	1814.9	1503.0	1227.6	986.4	790.9	612.2	454.4	320.0	210.7	122.5	43.6
B-45.0	2903.1	2437.4	1971.0	1558.3	1224.3	948.4	731.3	536.4	372.3	242.4	139.7	50.5
B-40.0	3808.7	3136.1	2532.2	1965.0	1491.9	1125.5	849.7	620.5	427.0	273.1	155.8	56.8
B-35.0	4792.1	3944.8	3128.4	2431.7	1795.0	1319.7	966.0	703.4	479.6	302.3	170.5	63.0
B-30.0	5750.4	4766.7	3776.5	2887.9	2134.2	1519.2	1086.9	780.5	528.0	330.6	183.8	69.1
B-25.0	6653.8	5528.0	4409.0	3338.2	2470.3	1720.3	1207.7	849.4	572.3	355.4	195.5	74.3

**IES Flood Report**  
**Photometric Filename:BBT PUFO 200W.IES**

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**Candela Tabulation - (Cont.)**

V/H	β 30.0	β 35.0	β 40.0	β 45.0	β 50.0	β 55.0	β 60.0	β 65.0	β 70.0	β 75.0	β 80.0	β 85.0
B-20.0	7454.8	6212.7	4971.2	3774.8	2757.8	1919.0	1312.0	909.0	612.3	376.4	206.0	78.7
B-15.0	8112.2	6781.3	5427.2	4136.0	3006.8	2093.5	1403.2	957.4	644.7	394.6	214.3	82.1
B-10.0	8593.9	7203.1	5770.5	4411.7	3191.6	2231.7	1474.1	995.2	668.7	407.8	220.3	84.6
B-5.0	8887.8	7459.7	5975.0	4572.9	3305.1	2320.3	1516.8	1017.9	683.3	415.8	224.0	86.1
B0.0	8983.3	7535.8	6030.7	4617.9	3338.9	2349.5	1529.5	1025.0	688.3	418.5	225.3	86.7
B5.0	8993.8	7538.4	6016.2	4585.4	3309.3	2324.8	1519.9	1020.0	684.2	416.0	224.1	86.1
B10.0	8801.1	7349.5	5843.0	4431.3	3200.6	2240.6	1480.0	999.3	670.4	408.3	220.5	84.6
B15.0	8401.5	6971.5	5514.5	4156.6	3020.4	2106.3	1411.5	963.0	647.1	395.4	214.6	82.1
B20.0	7790.4	6409.3	5044.8	3794.3	2777.6	1934.9	1321.8	915.5	615.1	377.4	206.4	78.7
B25.0	6974.6	5692.4	4458.8	3361.1	2495.4	1738.0	1219.9	856.4	575.1	356.5	195.9	74.3
B30.0	5990.1	4865.9	3807.8	2918.1	2162.8	1539.8	1102.5	787.9	530.9	331.6	184.3	69.0
B35.0	4917.1	3989.1	3167.1	2470.1	1824.0	1338.8	981.1	711.1	482.3	303.4	171.0	62.9
B40.0	3857.5	3183.9	2580.5	2004.0	1521.3	1149.5	862.5	627.2	429.8	274.2	156.3	56.7
B45.0	2960.8	2495.8	2018.8	1596.7	1251.4	969.3	743.3	541.6	375.0	243.6	140.1	50.3
B50.0	2221.8	1868.6	1547.0	1260.7	1014.3	807.0	621.5	458.8	322.0	211.9	122.8	43.3
B55.0	1606.2	1382.8	1175.3	981.6	810.4	652.0	505.2	377.4	270.0	180.8	104.5	36.3
B60.0	1152.7	1014.1	879.2	752.3	626.2	506.6	398.8	302.2	220.3	150.1	85.5	29.5
B65.0	811.8	728.2	639.2	548.2	462.1	379.0	302.4	234.9	174.0	118.8	65.4	22.4
B70.0	543.5	491.0	435.8	379.1	323.2	270.2	220.1	173.7	130.1	87.5	47.3	18.3
B75.0	334.7	305.0	274.8	243.5	211.3	179.6	148.8	117.8	87.1	56.3	31.1	15.4
B80.0	181.6	168.1	153.2	136.8	119.9	102.1	83.8	64.3	47.0	31.2	18.7	13.3
B85.0	64.9	59.3	54.0	48.6	42.5	36.3	30.3	23.6	19.2	15.8	13.4	12.8
B90.0	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8	12.0	12.1	12.3	12.4
V/H	β 90.0											
B-90.0	12.6											
B-85.0	12.6											
B-80.0	12.6											
B-75.0	12.6											
B-70.0	12.6											
B-65.0	12.6											
B-60.0	12.6											
B-55.0	12.6											
B-50.0	12.6											
B-45.0	12.6											
B-40.0	12.6											
B-35.0	12.6											
B-30.0	12.6											
B-25.0	12.6											
B-20.0	12.6											
B-15.0	12.6											
B-10.0	12.6											
B-5.0	12.6											
B0.0	12.6											
B5.0	12.6											
B10.0	12.6											

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# IES Flood Report

Photometric Filename:BBT PUFO 200W.IES

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## Candela Tabulation - (Cont.)

V/H	β 90.0
B15.0	12.6
B20.0	12.6
B25.0	12.6
B30.0	12.6
B35.0	12.6
B40.0	12.6
B45.0	12.6
B50.0	12.6
B55.0	12.6
B60.0	12.6
B65.0	12.6
B70.0	12.6
B75.0	12.6
B80.0	12.6
B85.0	12.6
B90.0	12.6

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