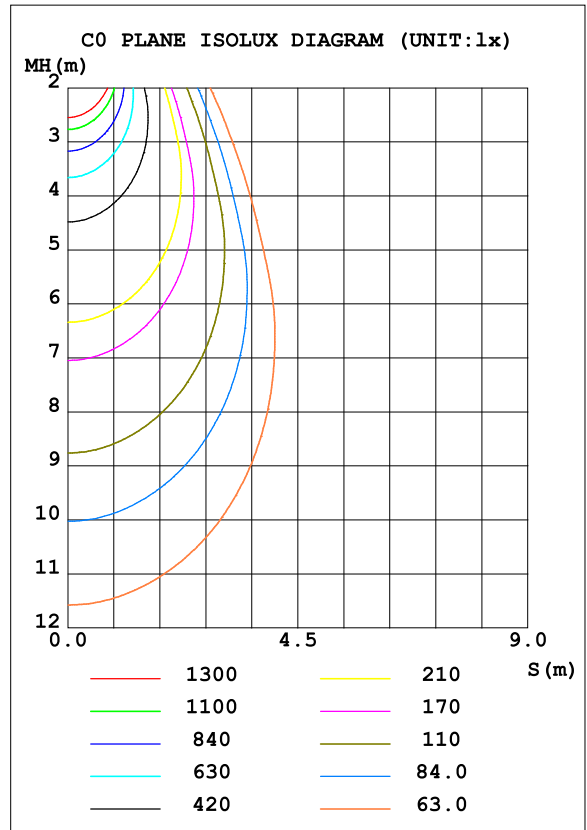
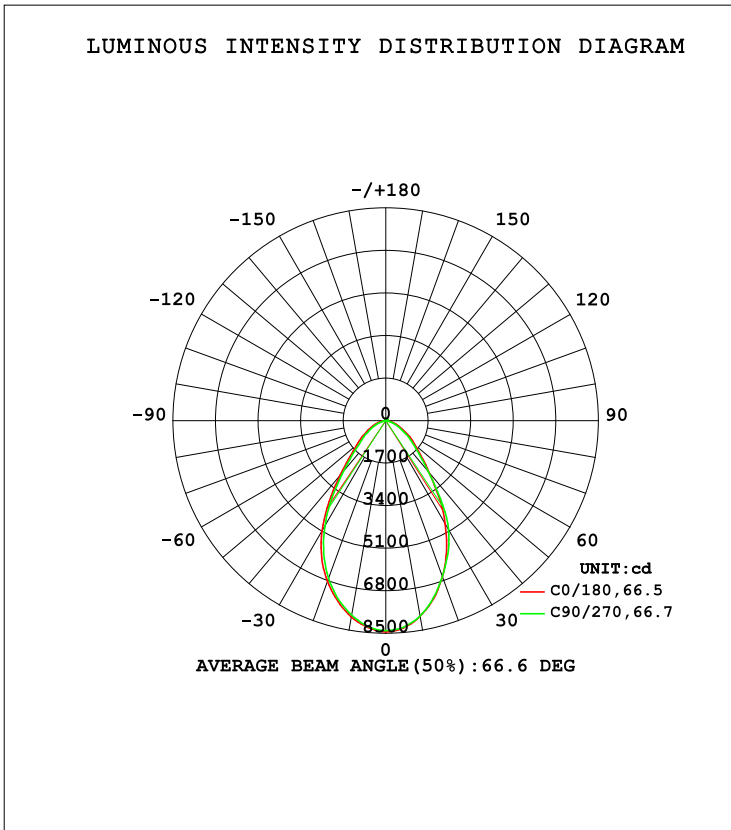


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC :	DIM.:	SERIAL No.:
MFR : BBT-LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.67 lm/W			
MODEL	FL15 100W 6500K	Imax (cd)	8439	S/MH (C0/180)	0.99
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.97
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	11427	<input type="checkbox"/> UP, DN (C0-180)	0.9, 49.0
NOMINAL FLUX (lm)	11426.7	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.6, 49.5
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.5	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	230	<input type="checkbox"/> down (%)	98.5	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.710m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

mm	C0	C90	C180	C270					mm	□ zone	□ total	%lum, lamp
10	7934	7921	7957	7886					0- 10	779.1	779.1	6.82,6.82
20	6632	6618	6829	6694					10- 20	2067	2846	24.9,24.9
30	4751	5019	5090	4875					20- 30	2688	5535	48.4,48.4
40	2682	2616	2831	2606					30- 40	2358	7892	69.1,69.1
50	1545	1391	1510	1331					40- 50	1520	9412	82.4,82.4
60	880.5	750.6	883.1	730.3					50- 60	999.4	10412	91.1,91.1
70	446.5	341.1	463.2	323.0					60- 70	581.6	10993	96.2,96.2
80	115.3	32.96	130.4	29.53					70- 80	238.1	11232	98.3,98.3
90	4.611	3.705	2.131	1.760					80- 90	20.30	11252	98.5,98.5
100	8.669	7.365	4.542	3.961					90-100	4.830	11257	98.5,98.5
110	15.90	14.15	8.644	8.106					100-110	9.140	11266	98.6,98.6
120	26.45	24.43	15.56	15.49					110-120	15.69	11282	98.7,98.7
130	39.54	37.49	25.88	26.25					120-130	23.37	11305	98.9,98.9
140	53.53	51.82	38.89	39.35					130-140	30.08	11335	99.2,99.2
150	65.82	64.82	52.40	52.69					140-150	32.84	11368	99.5,99.5
160	76.02	75.44	65.14	65.51					150-160	29.84	11398	99.7,99.7
170	83.52	82.97	76.96	76.75					160-170	21.28	11419	99.9,99.9
180	84.33	84.19	84.69	83.86					170-180	7.833	11427	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 45 DEG Zonal Flux:8738.5      %lum: 76.5%

0 - 60 DEG Zonal Flux:10412      %lum: 91.1%

@35% Iavg: 7.0%

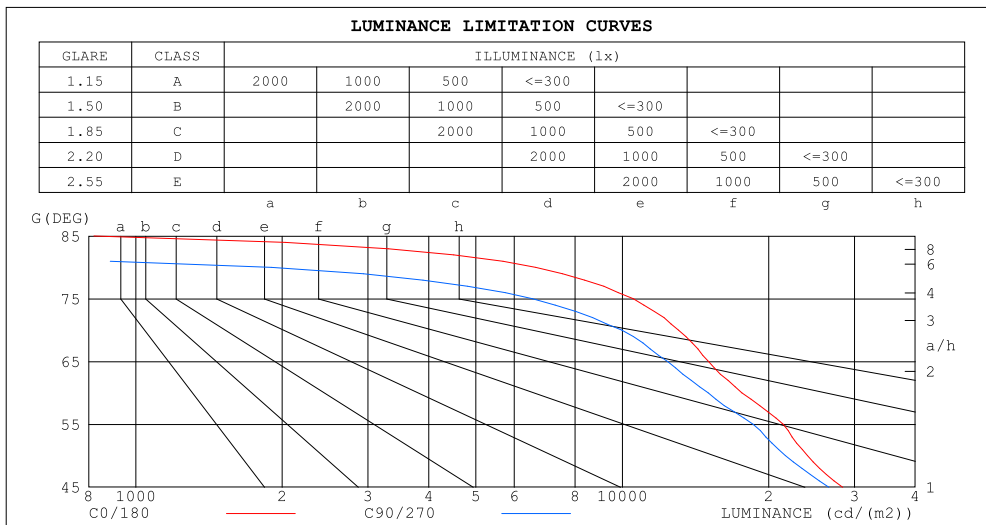
@50% Iavg: 10.4%

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-13

□ Range: 0 - 180DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:7.710m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	821	374
80	6640	1898
75	10533	6535
70	13054	9974
65	15043	12386
60	17609	15012
55	21396	18558
50	24029	21635
45	28368	26596

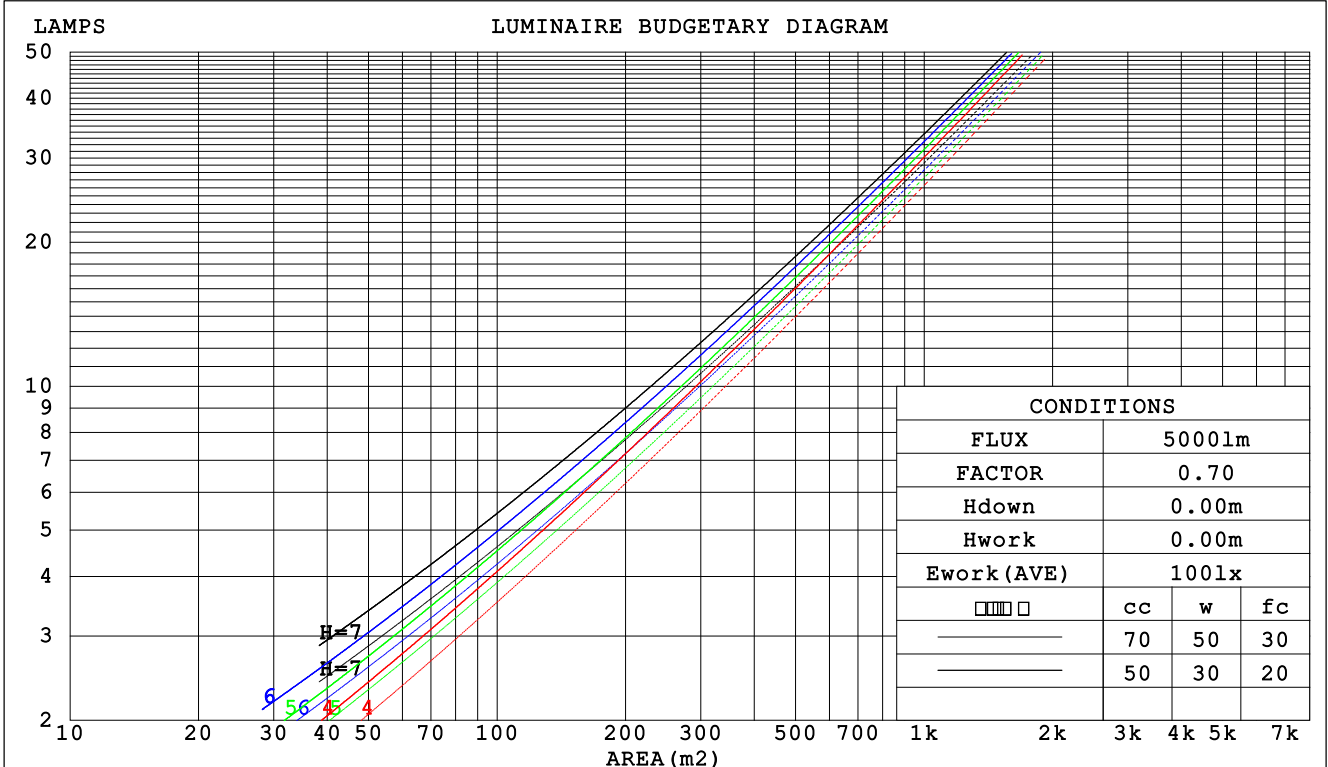
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.710m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.08	1.05	1.02	1.05	1.03	1.00	1.01	.99	.97	.97	.95	.93	.93	.92	.90	.88
2.0	.98	.92	.88	.96	.91	.87	.92	.88	.85	.89	.85	.83	.86	.83	.81	.79
3.0	.89	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.74	.79	.75	.72	.70
4.0	.81	.74	.69	.80	.73	.68	.77	.71	.67	.75	.70	.66	.73	.68	.65	.63
5.0	.74	.67	.61	.73	.66	.61	.71	.65	.60	.69	.64	.60	.67	.63	.59	.57
6.0	.68	.61	.56	.67	.60	.55	.65	.59	.55	.64	.58	.54	.62	.57	.54	.52
7.0	.63	.56	.51	.62	.55	.50	.61	.55	.50	.59	.54	.50	.58	.53	.49	.48
8.0	.59	.51	.46	.58	.51	.46	.57	.50	.46	.55	.50	.46	.54	.49	.45	.44
9.0	.55	.48	.43	.54	.47	.43	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
10.0	.51	.44	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.48	.43	.39	.37



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-13

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks:

WEC AND CCEC

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients (WEC)			
0.0						
1.0	.227 .129 .041	.220 .125 .040	.206 .118 .038	.194 .112 .036	.182 .106 .034	
2.0	.220 .120 .037	.214 .118 .036	.202 .112 .035	.191 .107 .033	.181 .102 .032	
3.0	.208 .111 .033	.203 .109 .033	.193 .104 .032	.183 .100 .031	.174 .096 .030	
4.0	.196 .102 .030	.192 .100 .030	.183 .097 .029	.174 .093 .028	.166 .090 .028	
5.0	.185 .094 .027	.181 .093 .027	.173 .090 .026	.165 .087 .026	.158 .085 .025	
6.0	.175 .087 .025	.171 .086 .025	.164 .084 .024	.157 .081 .024	.151 .079 .024	
7.0	.165 .081 .023	.161 .080 .023	.155 .078 .023	.149 .076 .022	.143 .074 .022	
8.0	.156 .076 .021	.153 .075 .021	.147 .073 .021	.142 .072 .021	.137 .070 .020	
9.0	.148 .072 .020	.145 .071 .020	.140 .069 .020	.135 .068 .019	.130 .066 .019	
10.0	.140 .067 .019	.138 .067 .019	.133 .065 .018	.129 .064 .018	.125 .063 .018	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Ceiling Cavity Exitance Coefficients (CCEC)			
0.0	.202 .202 .202	.173 .173 .173	.118 .118 .118	.068 .068 .068	.022 .022 .022	
1.0	.186 .169 .153	.159 .145 .131	.109 .100 .091	.063 .058 .053	.020 .019 .017	
2.0	.174 .144 .119	.149 .124 .102	.102 .086 .071	.059 .050 .042	.019 .016 .014	
3.0	.165 .126 .095	.141 .109 .082	.097 .075 .058	.056 .044 .034	.018 .014 .011	
4.0	.156 .112 .078	.134 .097 .068	.092 .067 .048	.053 .039 .028	.017 .013 .009	
5.0	.148 .101 .066	.127 .087 .057	.088 .061 .040	.051 .036 .024	.016 .012 .008	
6.0	.141 .092 .057	.121 .080 .049	.084 .056 .035	.049 .033 .021	.016 .011 .007	
7.0	.135 .085 .050	.116 .074 .043	.080 .052 .031	.046 .030 .018	.015 .010 .006	
8.0	.129 .079 .045	.111 .068 .039	.077 .048 .028	.045 .028 .016	.014 .009 .005	
9.0	.123 .074 .040	.106 .064 .035	.074 .045 .025	.043 .027 .015	.014 .009 .005	
10.0	.118 .070 .037	.102 .060 .032	.071 .042 .023	.041 .025 .014	.013 .008 .005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

NAME: Medflood - 248100					TYPE:					WEIGHT:					
SPEC.:					DIM.:					SERIAL No.:					
MFR.: BBT-LIGHTING					SUR.:					Shielding Angle:					
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3					
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3					
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2					
Room dimensions	Viewed crosswise					Viewed endwise									
x = 2H y = 2H	21.9	23.1	22.2	23.3	23.5	21.6	22.8	21.8	23.0	23.2					
3H	22.6	23.7	22.9	24.0	24.2	22.1	23.2	22.4	23.4	23.7					
4H	22.9	23.9	23.2	24.2	24.4	22.2	23.2	22.5	23.5	23.7					
6H	22.9	23.9	23.3	24.2	24.5	22.1	23.1	22.5	23.4	23.7					
8H	22.9	23.8	23.3	24.1	24.4	22.1	23.0	22.4	23.3	23.6					
12H	22.9	23.8	23.2	24.1	24.4	22.0	22.9	22.4	23.2	23.6					
4H 2H	22.1	23.2	22.5	23.4	23.7	21.8	22.9	22.1	23.1	23.4					
3H	23.0	23.9	23.4	24.2	24.5	22.5	23.4	22.9	23.7	24.0					
4H	23.3	24.1	23.7	24.4	24.8	22.7	23.5	23.0	23.8	24.2					
6H	23.4	24.1	23.8	24.5	24.9	22.6	23.3	23.0	23.7	24.1					
8H	23.4	24.1	23.8	24.5	24.9	22.6	23.2	23.0	23.6	24.0					
12H	23.4	24.0	23.8	24.4	24.8	22.5	23.1	23.0	23.5	24.0					
8H 4H	23.3	24.0	23.7	24.4	24.8	22.7	23.4	23.1	23.7	24.1					
6H	23.5	24.0	23.9	24.4	24.9	22.7	23.2	23.2	23.7	24.1					
8H	23.5	23.9	23.9	24.4	24.9	22.6	23.1	23.1	23.6	24.0					
12H	23.4	23.8	23.9	24.3	24.8	22.6	23.0	23.1	23.5	24.0					
12H 4H	23.3	23.9	23.7	24.3	24.7	22.7	23.3	23.1	23.7	24.1					
6H	23.4	23.9	23.9	24.3	24.8	22.7	23.1	23.1	23.6	24.1					
8H	23.4	23.8	23.9	24.3	24.8	22.6	23.0	23.1	23.5	24.0					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.5 / - 0.7					+ 0.7 / - 1.0									
1.5H	+ 0.6 / - 0.4					+ 0.8 / - 0.7									
2.0H	+ 1.0 / - 1.1					+ 1.2 / - 1.1									

CIE Pub.117, 11427 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 8.5)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

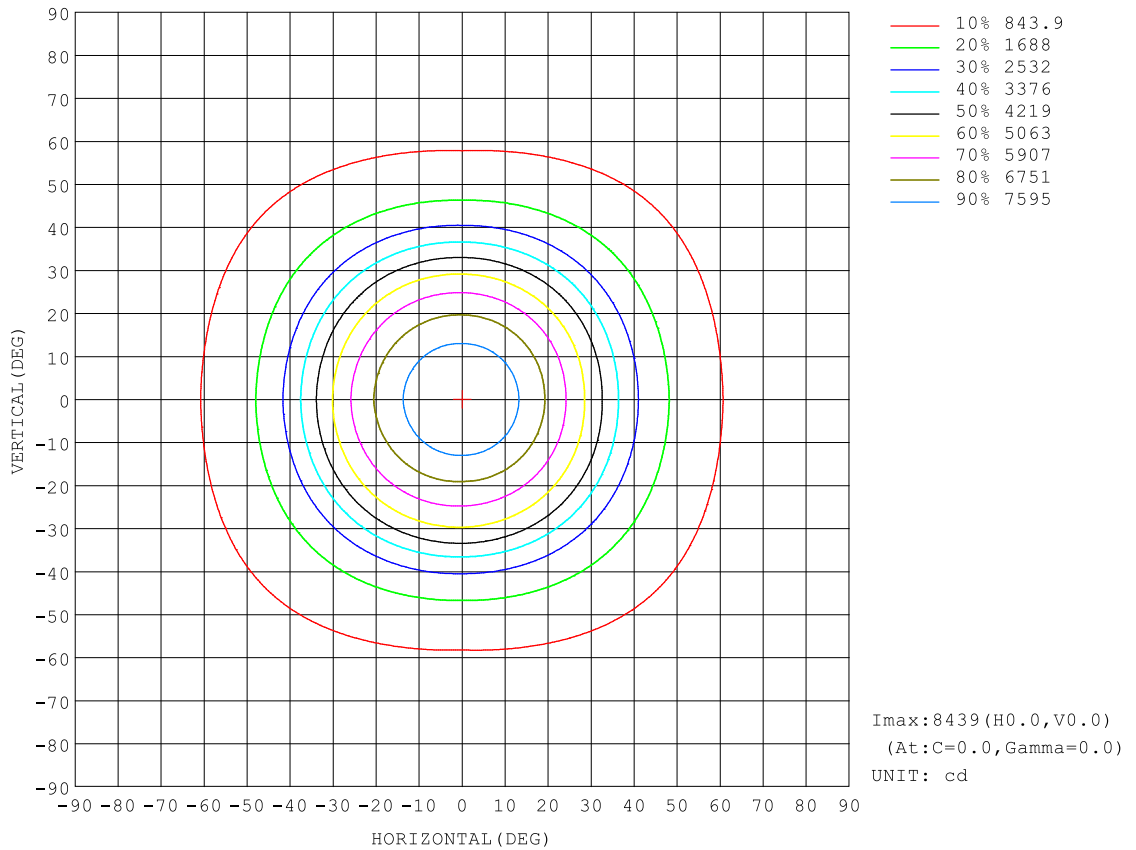
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	58	71	63	58	70	62	58	53
0.80	81	73	67	80	72	67	79	71	67	61
1.00	88	80	75	87	79	74	85	80	74	68
1.25	94	86	81	92	85	81	90	84	80	74
1.50	98	91	86	96	90	85	93	88	84	78
2.00	102	96	92	101	95	91	97	93	89	83
2.50	105	100	95	103	98	94	99	95	92	85
3.00	107	103	99	105	101	97	101	98	95	87
4.00	110	106	103	108	104	102	104	101	99	90
5.00	112	109	106	110	107	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.710m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:



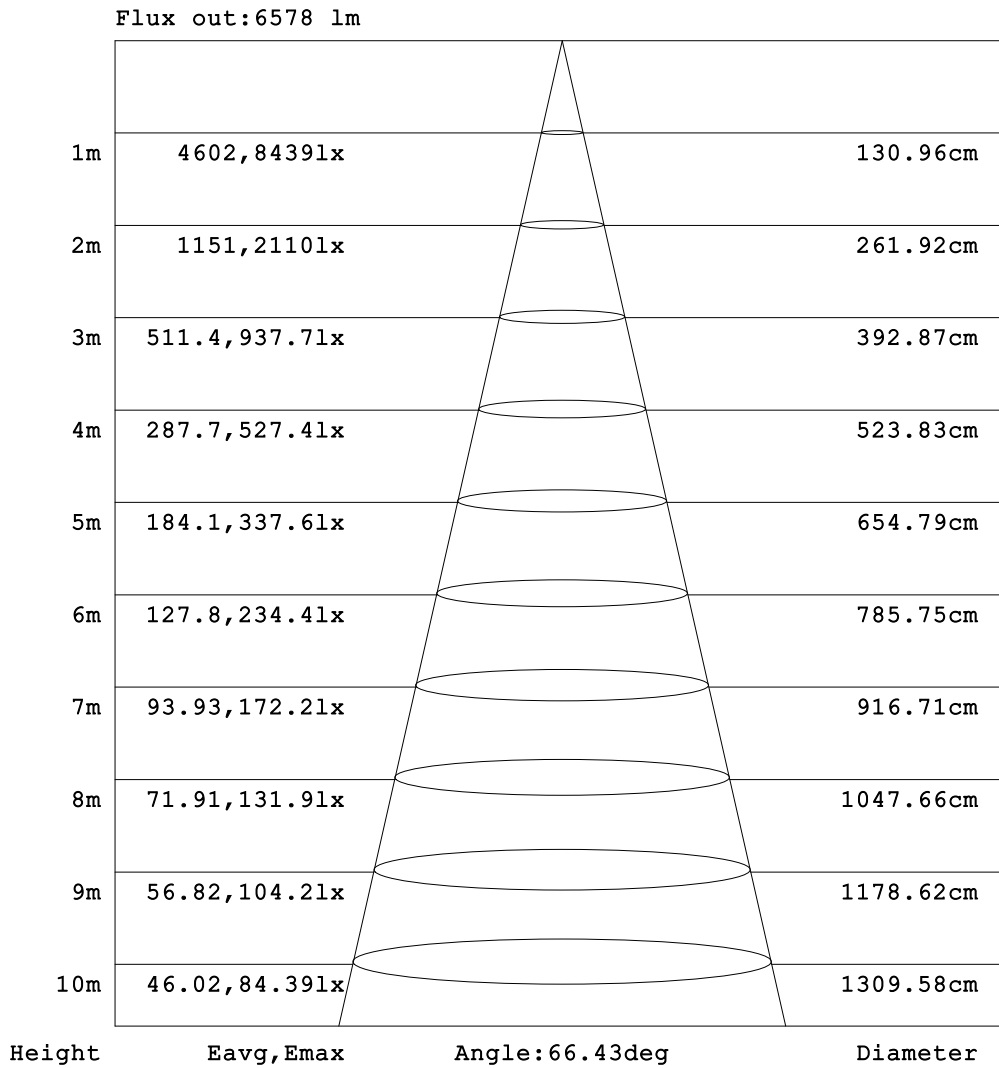
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.710m [K=1.0000]  
 Remarks:



AAI Figure

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:



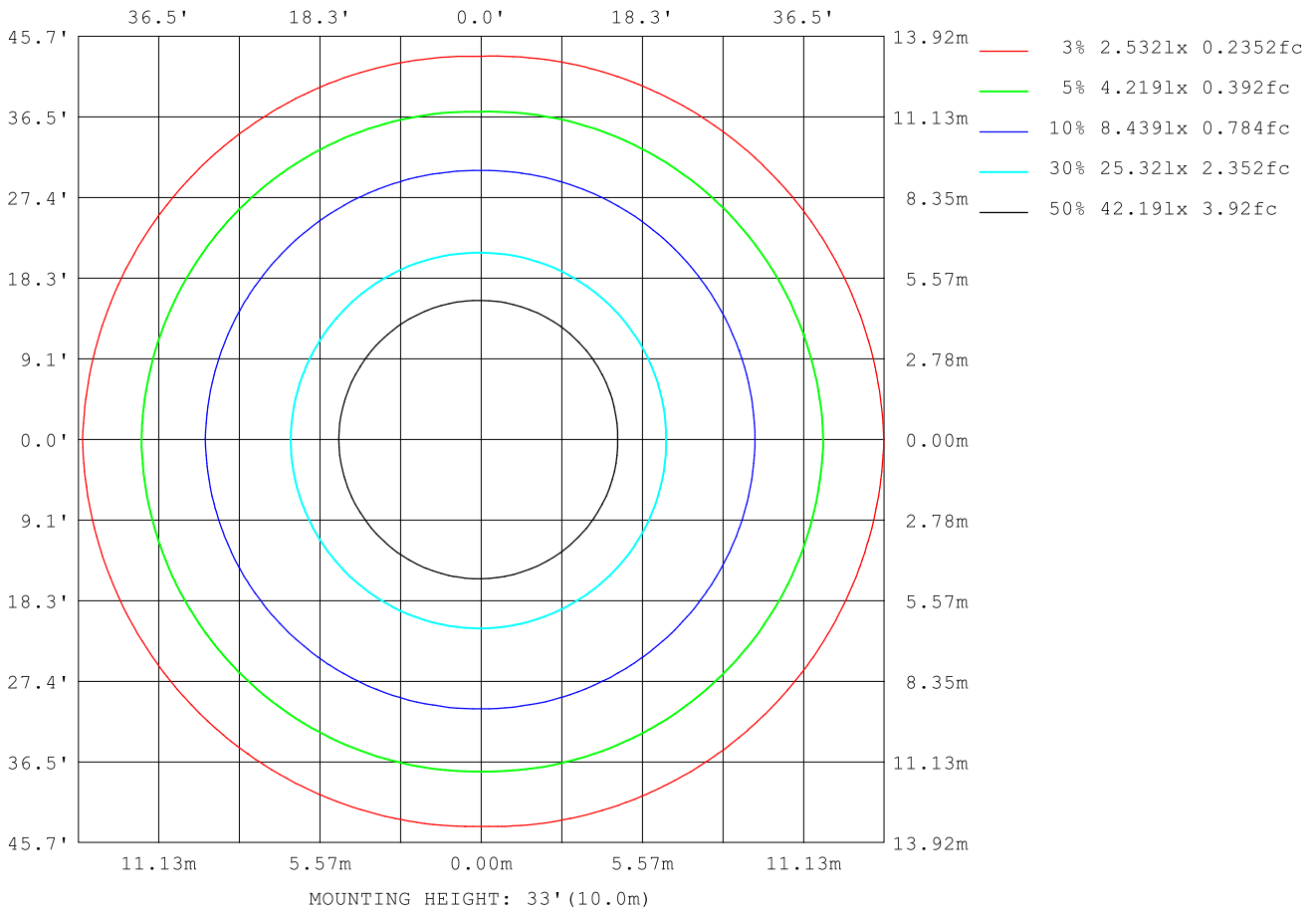
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.710m [K=1.0000]  
 Remarks:

## LED Avg.L Report

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

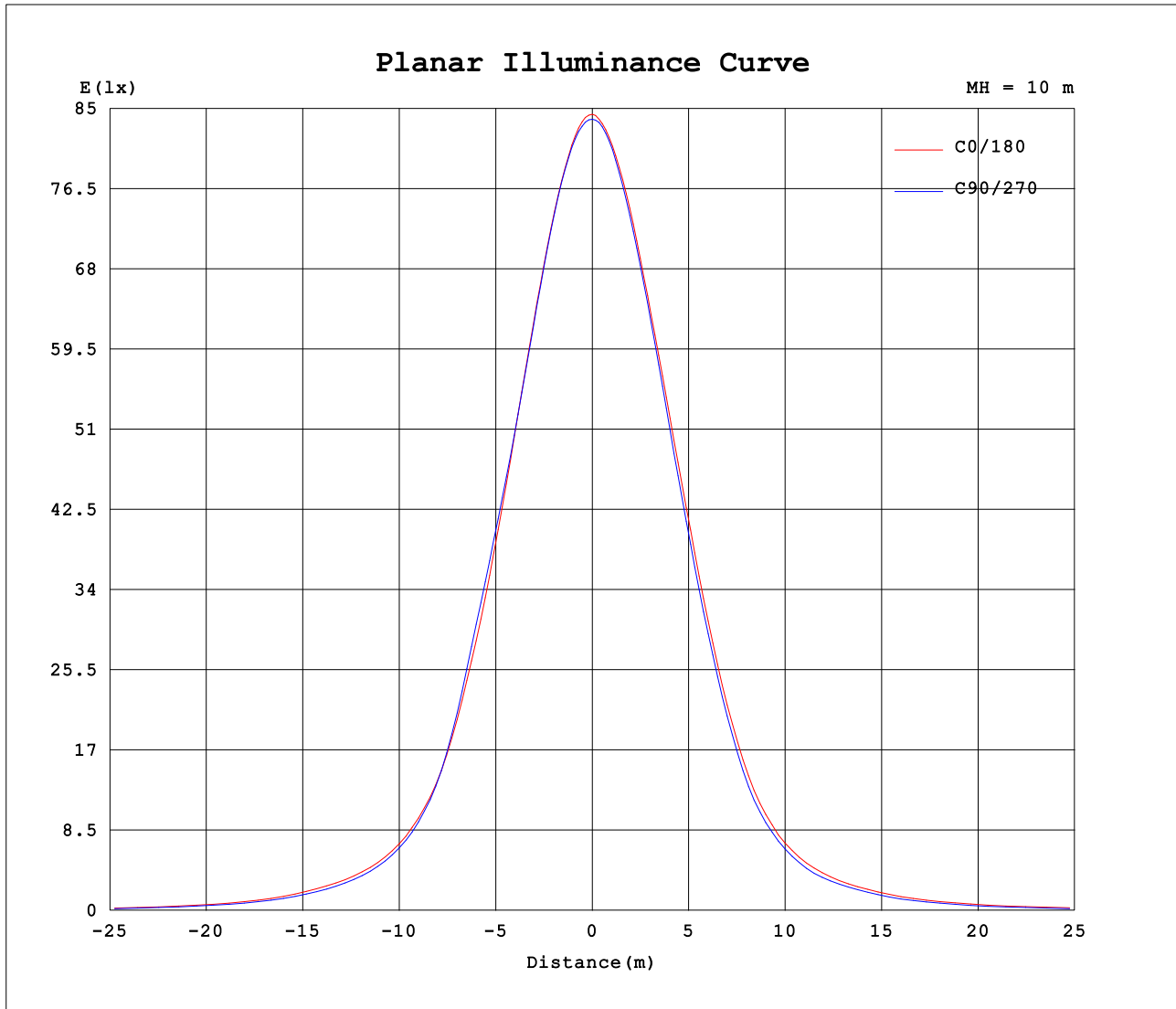
AvgL	cd/m2
L_0~180 (65) av	15241
L_0~180 (75) av	10841
L_0~180 (85) av	1062
L_90~270 (65) av	12197
L_90~270 (75) av	6377
L_90~270 (85) av	281
L_45 (65) av	13351
L_45 (75) av	8070
L_45 (85) av	589

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-12-13

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.710m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Medflood - 248100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	90	180	270															
0	8439	8387	8439	8387															
5	8307	8277	8292	8256															
10	7934	7921	7957	7886															
15	7372	7343	7452	7371															
20	6632	6618	6829	6694															
25	5747	5877	6061	5869															
30	4751	5019	5090	4875															
35	3686	3812	3962	3749															
40	2682	2616	2831	2606															
45	2006	1881	2023	1842															
50	1545	1391	1510	1331															
55	1227	1064	1188	1025															
60	880	751	883	730															
65	636	523	652	507															
70	446	341	463	323															
75	273	169	289	161															
80	115	33.0	130	29.5															
85	7.15	3.26	11.4	1.64															
90	4.61	3.70	2.13	1.76															
95	6.34	5.23	3.16	2.68															
100	8.67	7.36	4.54	3.96															
105	11.8	10.3	6.33	5.68															
110	15.9	14.1	8.64	8.11															
115	20.8	18.9	11.7	11.8															
120	26.4	24.4	15.6	15.5															
125	32.7	30.7	20.3	20.5															
130	39.5	37.5	25.9	26.2															
135	46.6	44.6	32.2	32.6															
140	53.5	51.8	38.9	39.4															
145	60.0	58.6	45.7	46.1															
150	65.8	64.8	52.4	52.7															
155	71.1	70.4	58.9	59.1															
160	76.0	75.4	65.1	65.5															
165	80.3	79.8	71.3	71.6															
170	83.5	83.0	77.0	76.8															
175	85.0	84.6	81.6	81.0															
180	84.3	84.2	84.7	83.9															

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-13

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks: