

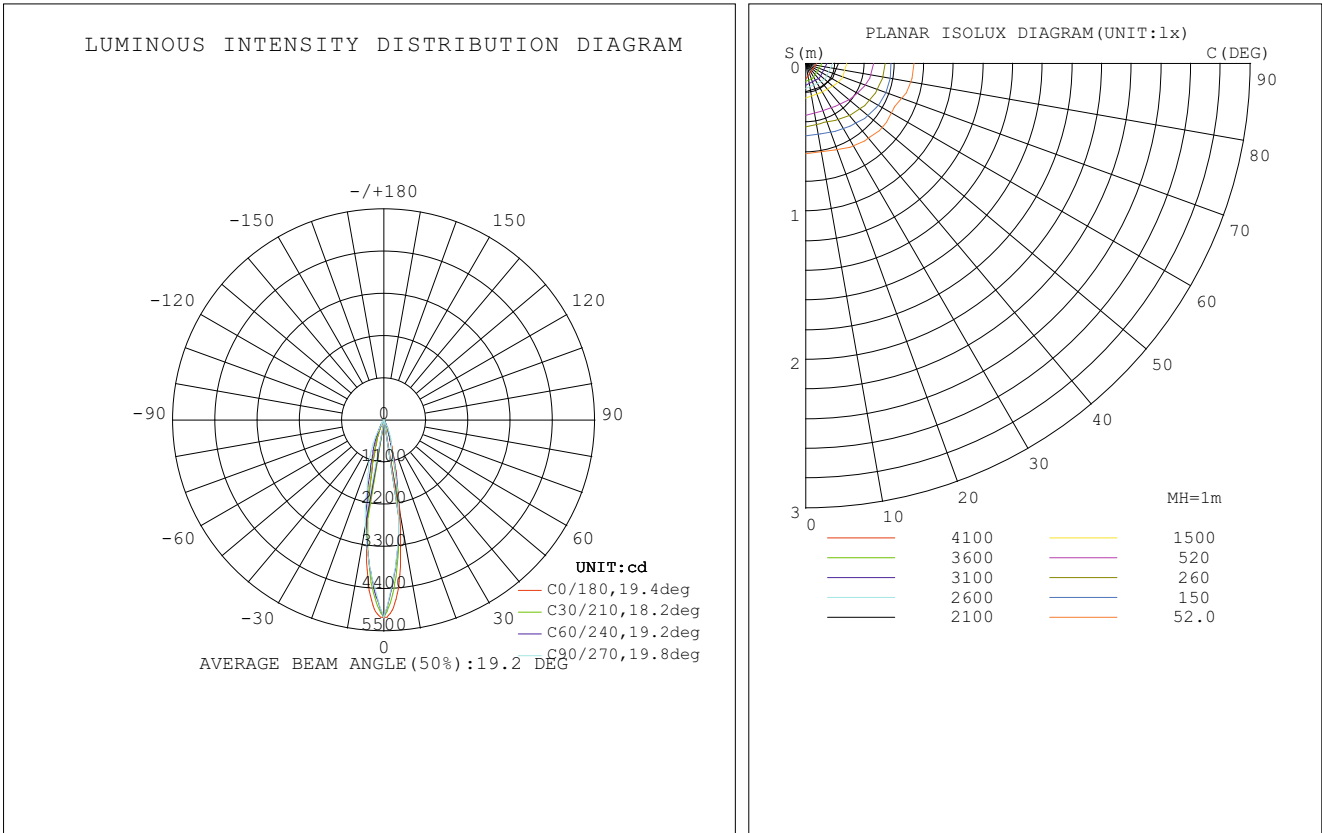


/BOMBU COLGANTE 15° (05.AA86.00_0.__)

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: BOMBU COLGANTE 05.AA86.0__0.__	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20241009001
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	05.AA86.0__0.__	Imax (cd)	5160	S/MH (C0/180)	0.34
NOMINAL POWER (W)	9	LOR (%)	81.5	S/MH (C90/270)	0.37
RATED VOLTAGE (V)	18	TOTAL FLUX (lm)	843.68	h UP, DN (C0-180)	0.0, 45.6
NOMINAL FLUX (lm)	1035	CIE CLASS	DIRECT	h UP, DN (C180-360)	0.0, 35.9
LAMPS INSIDE	1	h up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	18	h down (%)	81.5	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 30DEG
 Operators:
 Test Date: 2024-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity: 65.0%
 Test Distance: 5.835m [K=1.0000]
 Remarks:

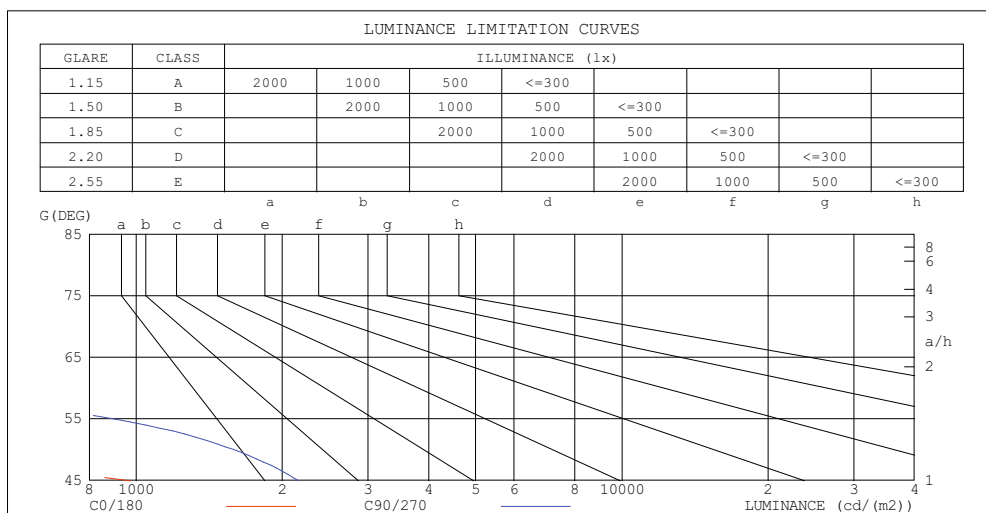


/BOMBU COLGANTE 15° (05.AA86.00_0.__)

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	4453	4033	3980	4011	4400	3825	3705	3868	0- 5	106.1	106.1	12.6,10.3
10	2530	2523	2799	2500	2406	2202	2249	2282	5- 10	222.9	329.1	39,31.8
15	1106	1296	1618	1279	1047	968.9	793.8	1059	10- 15	199.1	528.1	62.6,51
20	520.0	651.7	1132	637.2	445.0	370.0	550.7	443.9	15- 20	132.3	660.4	78.3,63.8
25	239.5	351.1	644.7	314.1	178.8	178.4	307.6	230.7	20- 25	89.48	749.9	88.9,72.5
30	104.1	169.8	157.9	142.7	77.13	83.61	64.56	110.7	25- 30	50.73	800.7	94.9,77.4
35	43.70	71.38	108.5	60.68	34.52	35.58	43.89	44.37	30- 35	22.61	823.3	97.6,79.5
40	16.08	26.04	59.11	24.91	15.55	11.60	23.21	11.83	35- 40	12.09	835.4	99,80.7
45	4.376	12.74	9.712	12.74	4.882	5.035	2.543	4.883	40- 45	5.654	841.0	99.7,81.3
50	0.6148	3.573	6.488	4.262	0.7643	1.776	1.696	1.722	45- 50	1.670	842.7	99.9,81.4
55	0.0329	0.0054	3.264	0.0292	0.0141	0.0162	0.8493	0.0047	50- 55	0.5184	843.2	99.9,81.5
60	0.0282	0.0192	0.0400	0.0272	0.0047	0.0101	0.0024	0.0047	55- 60	0.1638	843.4	100,81.5
65	0.0235	0.0338	0.1184	0.0274	0.0047	0.0037	0.0024	0.0043	60- 65	0.0177	843.4	100,81.5
70	0.0212	0.0788	0.1969	0.0655	0.0047	0.0004	0.0024	0.0043	65- 70	0.0179	843.4	100,81.5
75	0.0165	0.1642	0.2753	0.1529	0.0047	0.0015	0.0024	0.0033	70- 75	0.0302	843.4	100,81.5
80	0.0165	0.2602	0.3600	0.2481	0.0047	0.0024	0.0024	0.0024	75- 80	0.0474	843.5	100,81.5
85	0.0118	0.4008	0.4447	0.3702	0.0024	0.0024	0.0024	0.0024	80- 85	0.0729	843.6	100,81.5
90	0.0071	0.5435	0.5294	0.4941	0.0024	0.0024	0.0024	0.0024	85- 90	0.1148	843.7	100,81.5
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	21	802
80	15	326
75	10	167
70	10	91
65	9	44
60	9	13
55	9	895
50	150	1587
45	973	2160

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

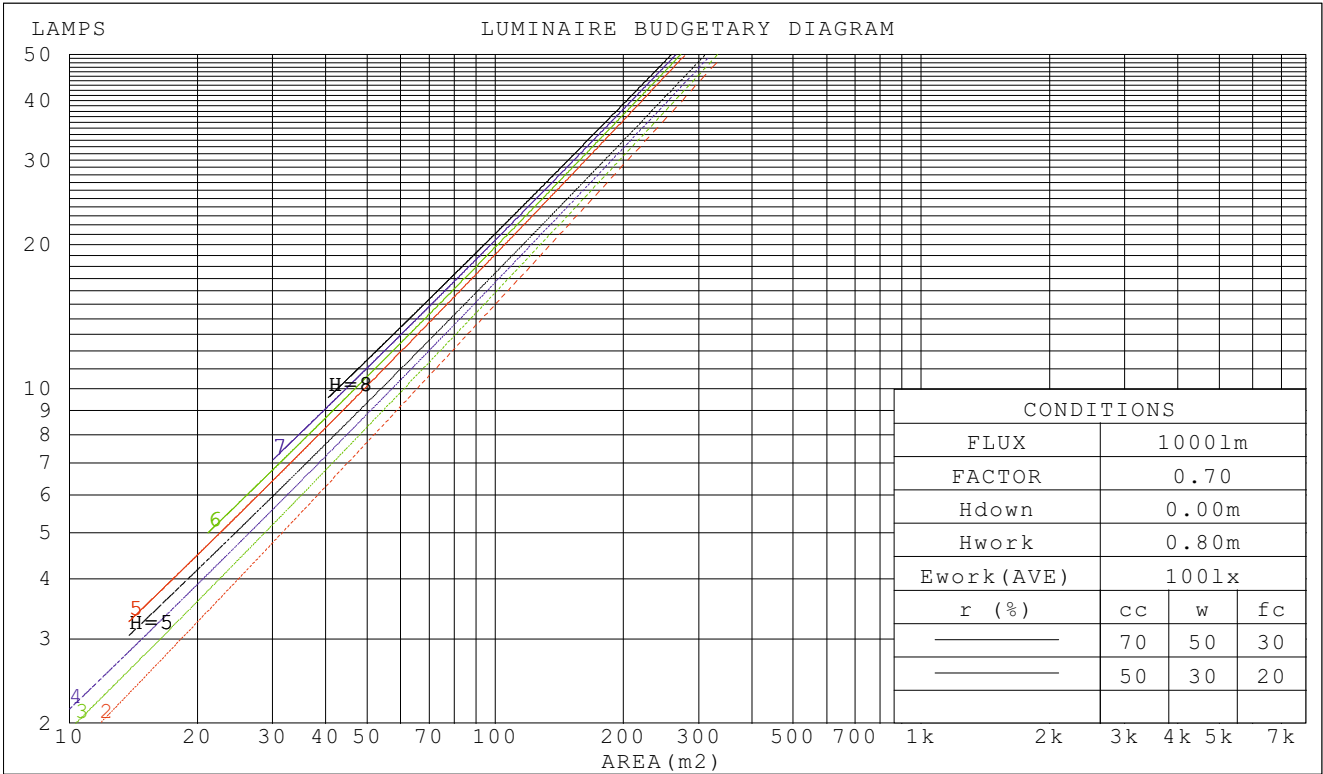


/BOMBU COLGANTE 15° (05.AA86.00_0.__)

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: BOMBU COLGANTE 05.AA86.0__0.__	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20241009001
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.97	.97	.97	.95	.95	.95	.91	.91	.91	.87	.87	.87	.83	.83	.83	.82
1.0	.92	.91	.89	.90	.89	.88	.87	.86	.85	.84	.83	.83	.81	.81	.80	.79
2.0	.88	.86	.83	.87	.84	.83	.84	.82	.81	.82	.80	.79	.80	.78	.77	.76
3.0	.84	.81	.79	.83	.81	.78	.81	.79	.77	.79	.78	.76	.78	.76	.75	.74
4.0	.81	.78	.75	.80	.77	.75	.79	.76	.74	.77	.75	.73	.76	.74	.73	.72
5.0	.78	.75	.72	.77	.74	.72	.76	.74	.72	.75	.73	.71	.74	.72	.70	.69
6.0	.76	.72	.70	.75	.72	.70	.74	.71	.69	.73	.71	.69	.72	.70	.68	.67
7.0	.73	.70	.67	.73	.70	.67	.72	.69	.67	.71	.69	.67	.70	.68	.66	.66
8.0	.71	.68	.65	.71	.67	.65	.70	.67	.65	.69	.67	.65	.68	.66	.65	.64
9.0	.69	.66	.64	.69	.66	.63	.68	.65	.63	.67	.65	.63	.67	.65	.63	.62
10.0	.67	.64	.62	.67	.64	.62	.66	.64	.62	.66	.63	.61	.65	.63	.61	.61



C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:

Test Date:2024-10-09

g Range: 0 - 90DEG

g Interval: 0.5DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275

Humidity:65.0%

Test Distance:5.835m [K=1.0000]

Remarks:



/BOMBU COLGANTE 15° (05.AA86.00_0.__)

WEC AND CCEC

NAME: BOMBU COLGANTE 05.AA86.0__0.__	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20241009001
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0	
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
rhc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.110	.063	.020	.105	.060	.019	.094	.054	.017	.085	.049	.016	.077	.044	.014		
2.0	.102	.056	.017	.097	.054	.017	.089	.050	.015	.081	.046	.014	.074	.042	.013		
3.0	.095	.050	.015	.091	.049	.015	.084	.046	.014	.078	.043	.013	.072	.040	.012		
4.0	.089	.046	.014	.086	.045	.013	.080	.042	.013	.074	.040	.012	.069	.038	.011		
5.0	.084	.043	.012	.081	.042	.012	.076	.040	.012	.071	.038	.011	.067	.036	.011		
6.0	.079	.040	.011	.077	.039	.011	.073	.037	.011	.069	.036	.010	.065	.034	.010		
7.0	.075	.037	.011	.073	.036	.010	.070	.035	.010	.066	.034	.010	.063	.033	.010		
8.0	.072	.035	.010	.070	.034	.010	.067	.033	.010	.064	.032	.009	.061	.031	.009		
9.0	.068	.033	.009	.067	.033	.009	.064	.032	.009	.061	.031	.009	.059	.030	.009		
10.0	.066	.031	.009	.064	.031	.009	.062	.030	.009	.059	.029	.008	.057	.029	.008		

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rhc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.155	.155	.155	.133	.133	.133	.091	.091	.091	.052	.052	.052	.017	.017	.017	
1.0	.137	.129	.121	.117	.110	.104	.080	.076	.072	.046	.044	.042	.015	.014	.014	
2.0	.122	.108	.096	.105	.093	.083	.072	.064	.058	.041	.037	.034	.013	.012	.011	
3.0	.110	.092	.078	.094	.080	.068	.065	.055	.048	.037	.032	.028	.012	.010	.009	
4.0	.100	.080	.065	.086	.069	.056	.059	.048	.039	.034	.028	.023	.011	.009	.008	
5.0	.091	.070	.054	.078	.060	.047	.054	.042	.033	.031	.025	.020	.010	.008	.006	
6.0	.084	.062	.046	.072	.053	.040	.050	.037	.028	.029	.022	.017	.009	.007	.006	
7.0	.078	.055	.039	.067	.048	.034	.046	.033	.024	.027	.020	.014	.009	.006	.005	
8.0	.072	.049	.034	.062	.043	.029	.043	.030	.021	.025	.018	.012	.008	.006	.004	
9.0	.068	.045	.029	.058	.039	.025	.040	.027	.018	.024	.016	.011	.008	.005	.004	
10.0	.064	.041	.026	.055	.035	.022	.038	.025	.016	.022	.015	.009	.007	.005	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:
 Test Date:2024-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:5.835m [K=1.0000]
 Remarks:



Uncorrected UGR Table

NAME: BOMBU COLGANTE 05.AA86.0__0.__	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20241009001
MFR.:	SUR.:	PROTECTION 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	5.4	6.0	5.6	6.2	6.3	9.7	10.4	9.9	10.5	10.7
3H	5.3	5.8	5.5	6.0	6.2	9.6	10.2	9.8	10.4	10.5
4H	5.2	5.7	5.4	5.9	6.2	9.5	10.1	9.8	10.3	10.5
6H	5.1	5.6	5.4	5.9	6.1	9.4	10.0	9.7	10.2	10.4
8H	5.0	5.6	5.3	5.8	6.1	9.4	9.9	9.7	10.2	10.4
12H	5.0	5.5	5.3	5.8	6.0	9.4	9.9	9.7	10.1	10.4
4H 2H	5.2	5.7	5.4	5.9	6.2	9.5	10.1	9.8	10.3	10.5
3H	5.0	5.5	5.3	5.8	6.0	9.3	9.8	9.6	10.1	10.4
4H	4.9	5.4	5.2	5.7	6.0	9.2	9.7	9.6	10.0	10.3
6H	4.8	5.2	5.2	5.5	5.9	9.1	9.6	9.5	9.9	10.2
8H	4.8	5.1	5.1	5.5	5.8	9.1	9.5	9.5	9.8	10.2
12H	4.7	5.0	5.1	5.4	5.8	9.1	9.4	9.5	9.8	10.2
8H 4H	4.8	5.1	5.1	5.5	5.8	9.1	9.5	9.5	9.8	10.2
6H	4.6	5.0	5.1	5.4	5.8	9.0	9.3	9.4	9.7	10.1
8H	4.6	4.9	5.0	5.3	5.7	9.0	9.2	9.4	9.7	10.1
12H	4.6	4.8	5.0	5.2	5.7	9.0	9.2	9.4	9.6	10.1
12H 4H	4.7	5.1	5.1	5.4	5.8	9.0	9.4	9.4	9.7	10.1
6H	4.6	4.9	5.0	5.3	5.7	8.9	9.2	9.4	9.6	10.1
8H	4.6	4.8	5.0	5.3	5.7	8.9	9.1	9.4	9.6	10.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / -12.6					+ 4.0 / -12.3				
1.5H	+ 5.2 / -12.7					+ 6.7 / -12.3				
2.0H	+ 5.9 / - 3.8					+ 5.1 / - 4.7				

CIE Pub.117 Corrected 1035 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.1)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:
 Test Date:2024-10-09

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:5.835m [K=1.0000]
 Remarks:



/BOMBU COLGANTE 15° (05.AA86.00_0.__)

UTILIZATION FACTORS TABLE

NAME: BOMBU COLGANTE 05.AA86.0__0.__	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20241009001
MFR.:	SUR.:	PROTECTION 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) $k(RI) \times RCR = 5$									
$k = 0.60$	74	69	67	74	69	67	73	69	67	64
0.80	80	76	73	79	75	73	78	75	72	70
1.00	83	79	76	82	78	76	81	78	76	73
1.25	86	82	80	85	82	79	83	81	79	75
1.50	88	84	82	87	84	82	85	83	81	77
2.00	90	86	84	88	86	83	86	84	82	78
2.50	91	88	86	89	87	85	87	85	83	79
3.00	92	89	87	90	88	86	88	86	85	80
4.00	93	91	90	92	90	89	89	87	86	81
5.00	94	93	91	93	91	90	89	88	88	81
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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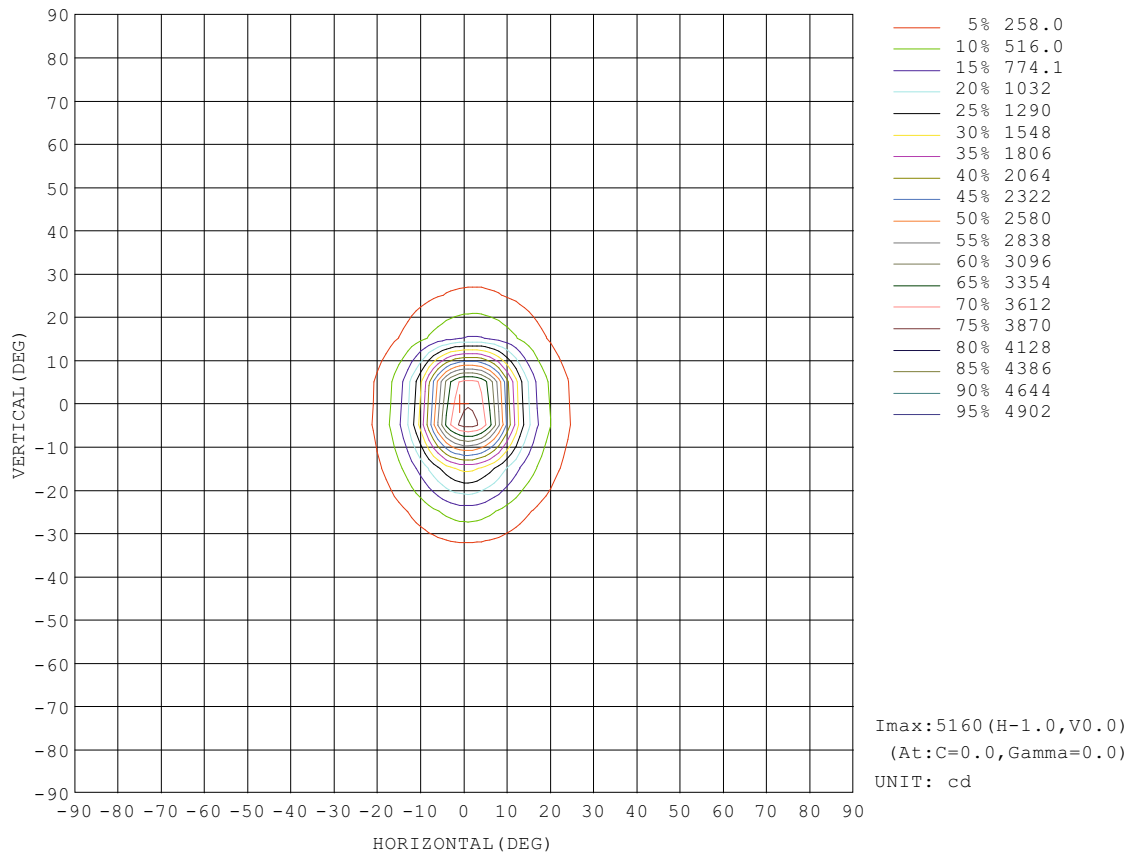
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 Remarks:



/BOMBU COLGANTE 15° (05.AA86.00_0.__)

ISOCANDELA DIAGRAM

NAME: BOMBU COLGANTE 05.AA86.0__0.__	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20241009001
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-10-09

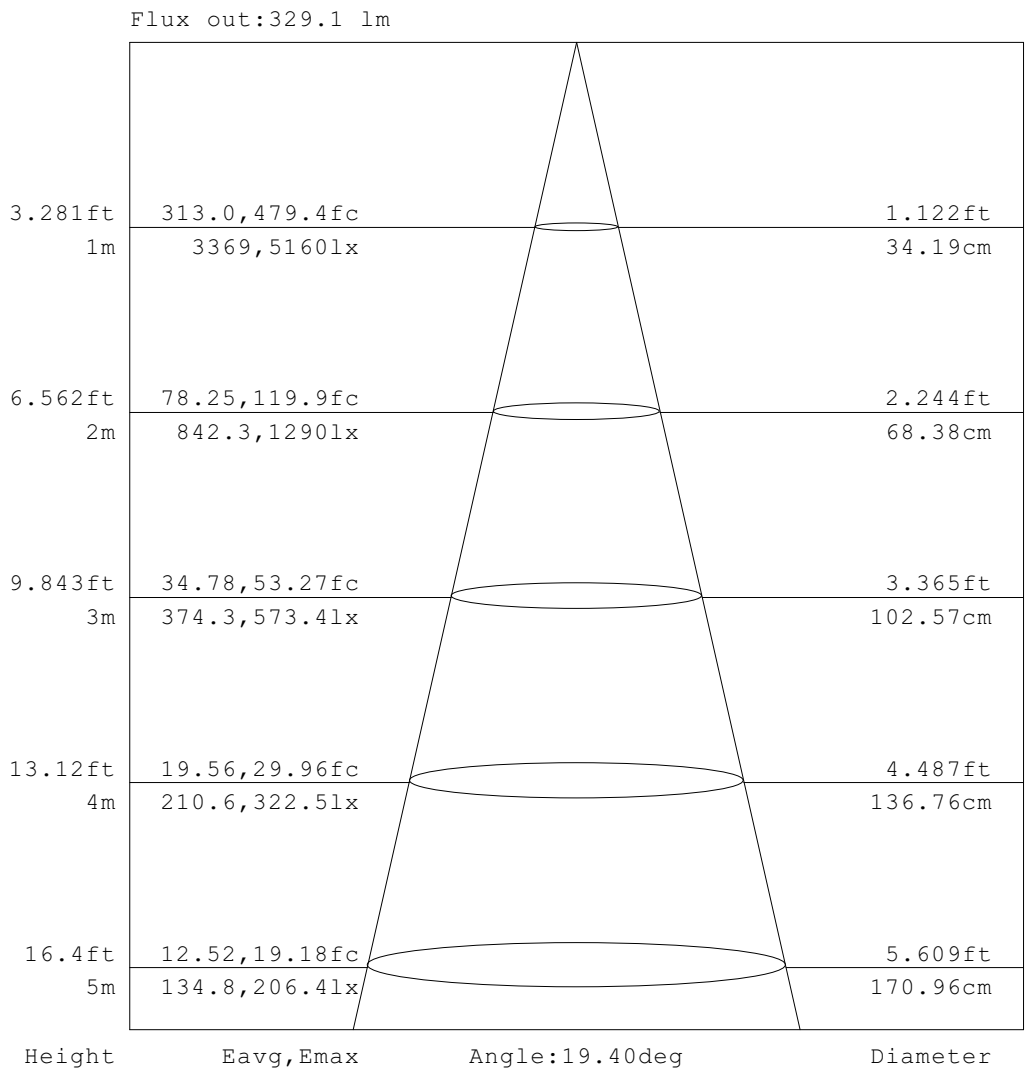
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Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:



/BOMBU COLGANTE 15° (05.AA86.00_0.__)

AAI Figure

NAME: BOMBU COLGANTE 05.AA86.0__0.__	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20241009001
MFR.:	SUR.:	PROTECTION 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: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2024-10-09

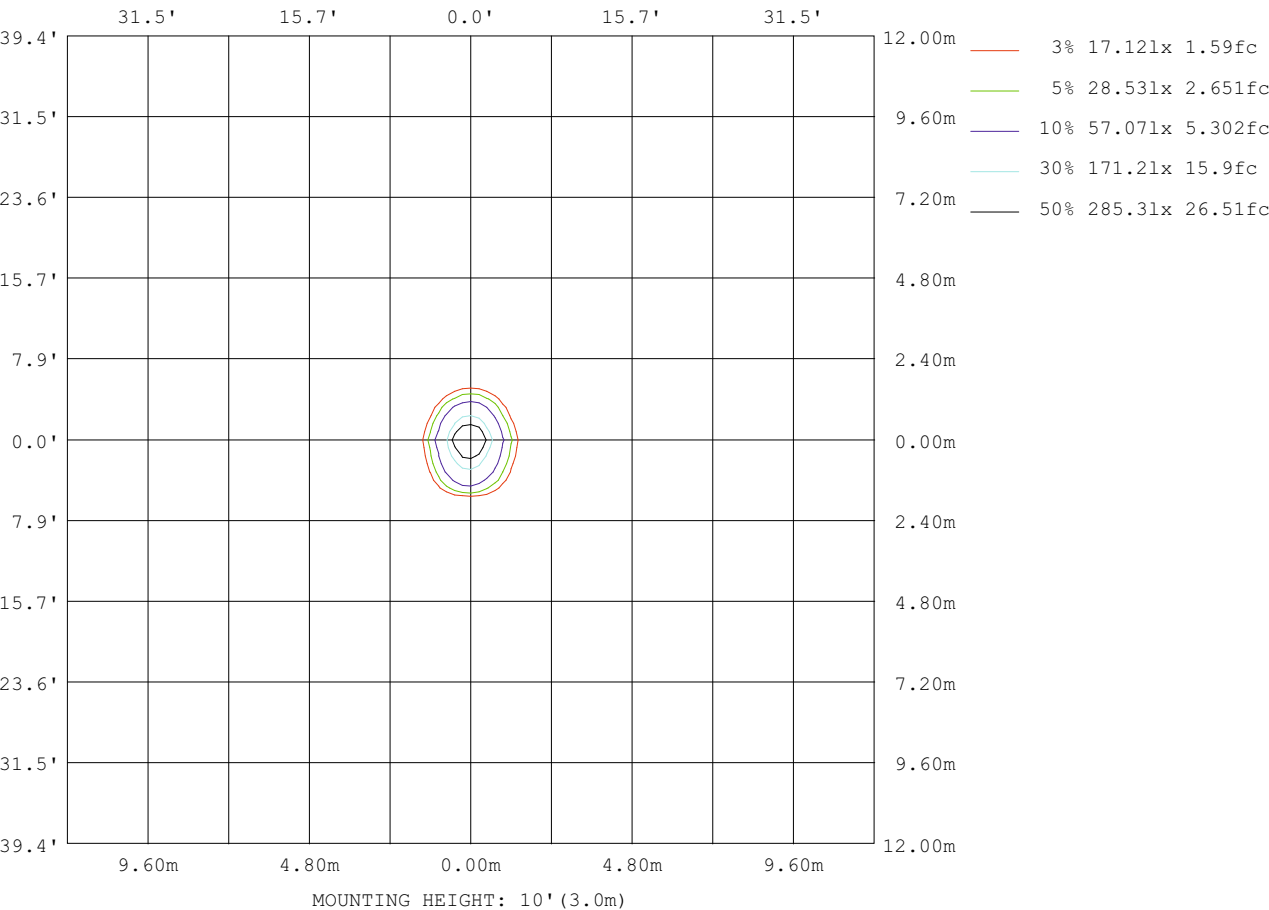
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
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Remarks:



/BOMBU COLGANTE 15° (05.AA86.00_0.__)

ISOLUX DIAGRAM

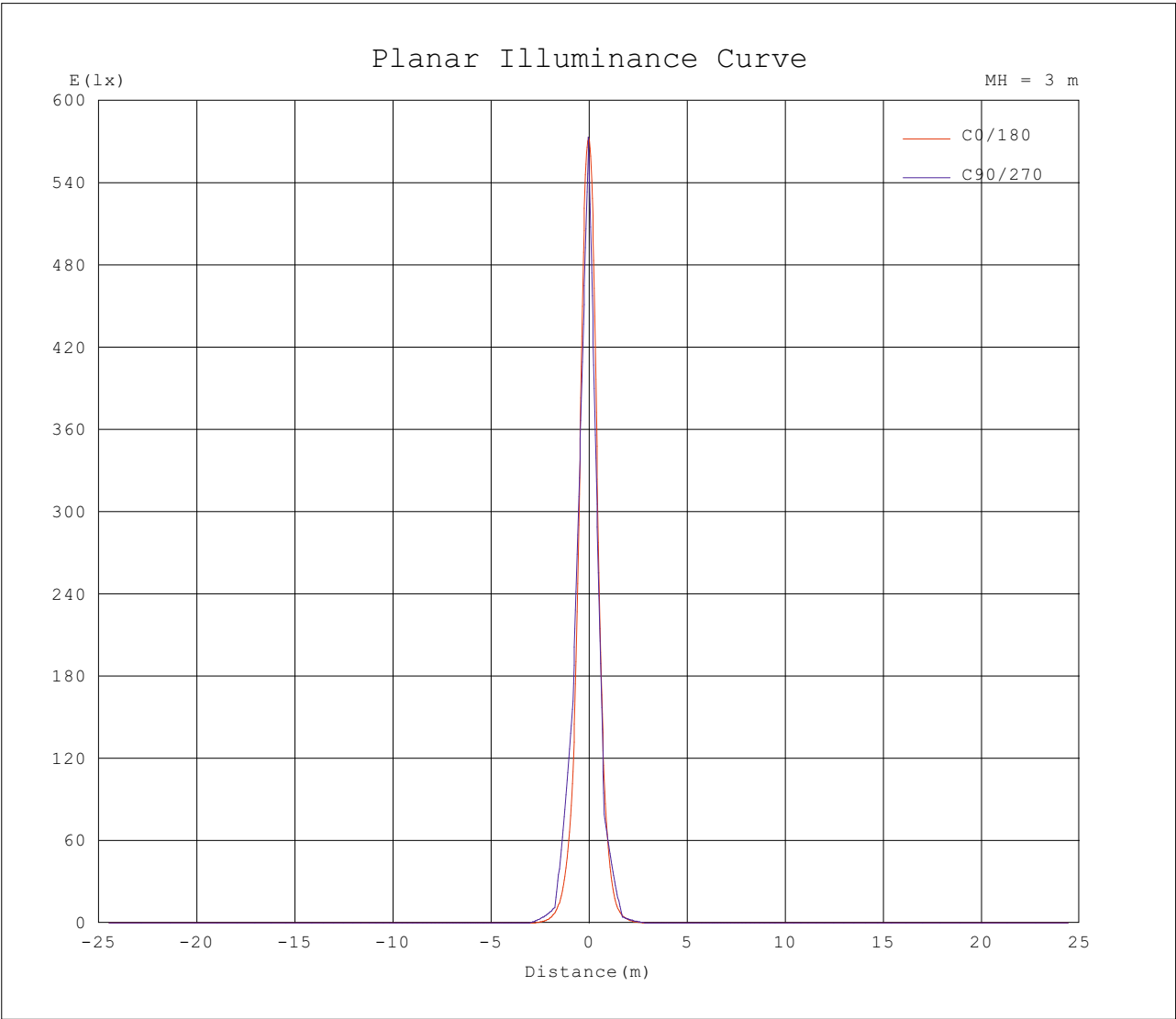
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DIM.:	SPEC.:	SERIAL No.:20241009001
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG	g Range: 0 - 90DEG
C Interval: 5.0DEG	g Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Temperature:30DEG	Humidity:65.0%
Operators:	Test Distance:5.835m [K=1.0000]
Test Date:2024-10-09	Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators:
Test Date: 2024-10-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity: 65.0%
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