

Report No.: LCZP16090529

Test Time:

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: FD15W27V30KBDB77

Luminaire Description: Architectural Flood and Spot Luminaires

Lamp Catalog: LED

Lamp Description: LED

Number of Lamps: 1

Lumens per Lamp: 1380.1 lm

Luminous Length (mm): 70 mm

Luminous Width (mm): 30 mm

Luminous Height (mm): 4 mm

Power: 14.73 W

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1380.1 lm

Measurement Flux: 1380.1 lm

Efficiency: 100.00%

Downward Ratio: 99.47%

Upward Ratio: 0.53%

Horizontal Diffuse Angle(10%,50%,75%,100%): H153.4,H86.3,H56.3,H0

Vertical Diffuse Angle(10%,50%,75%,100%): V159.5,V116.5,V86,V10

Luminaire Efficacy Rating (LER): 93.74

Central Intensity: 536.77 cd

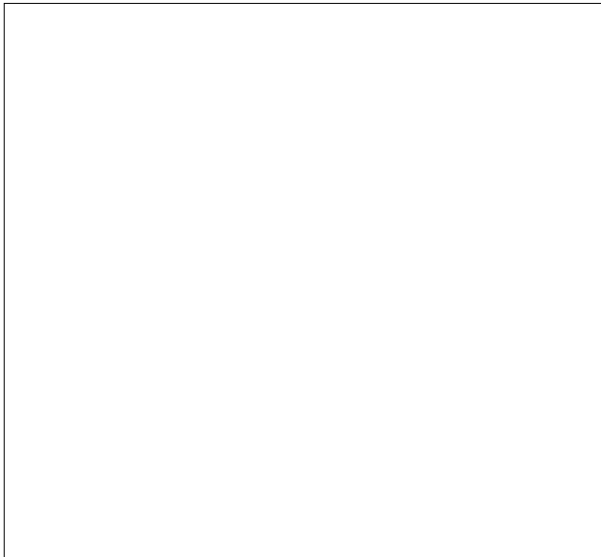
Max. Intensity: 537.21 cd

Pos of Max. Intensity: H90 V5

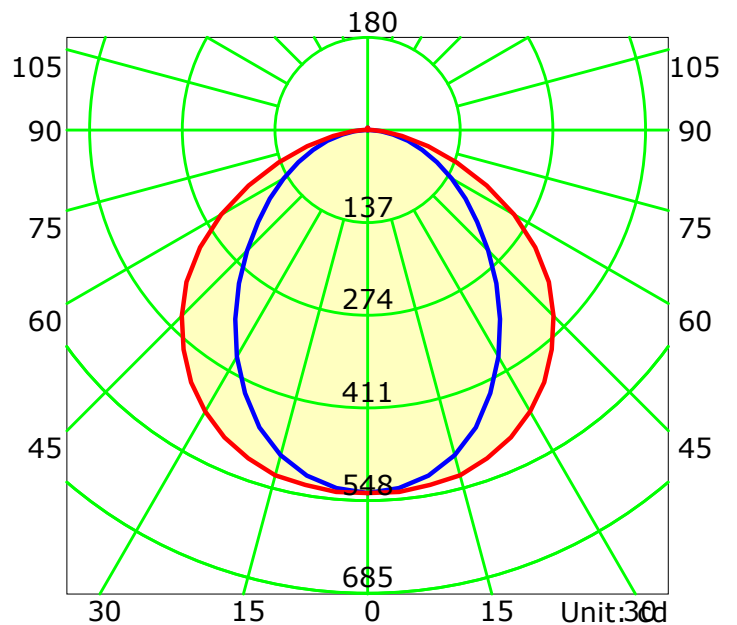
S/MH(C0/C180): 1.10

S/MH(C90/C270): 1.32

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 101.4°

— C0-C180 — C90-C270

C Plane (°):0.0-90.0: 15.0

Gamma Plane (°):0.0-180.0:5.0

Test Lab: LCTECH

Test Device:

Test Type: TYPE C

Distance:

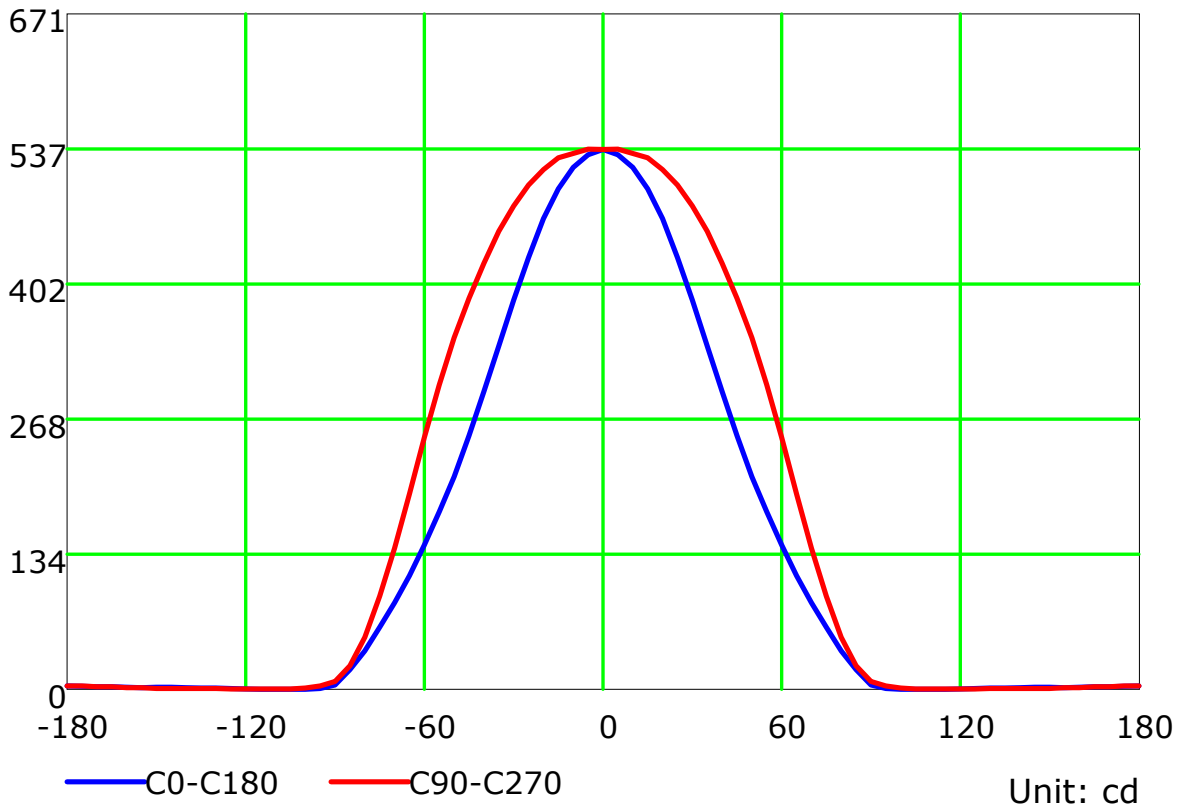
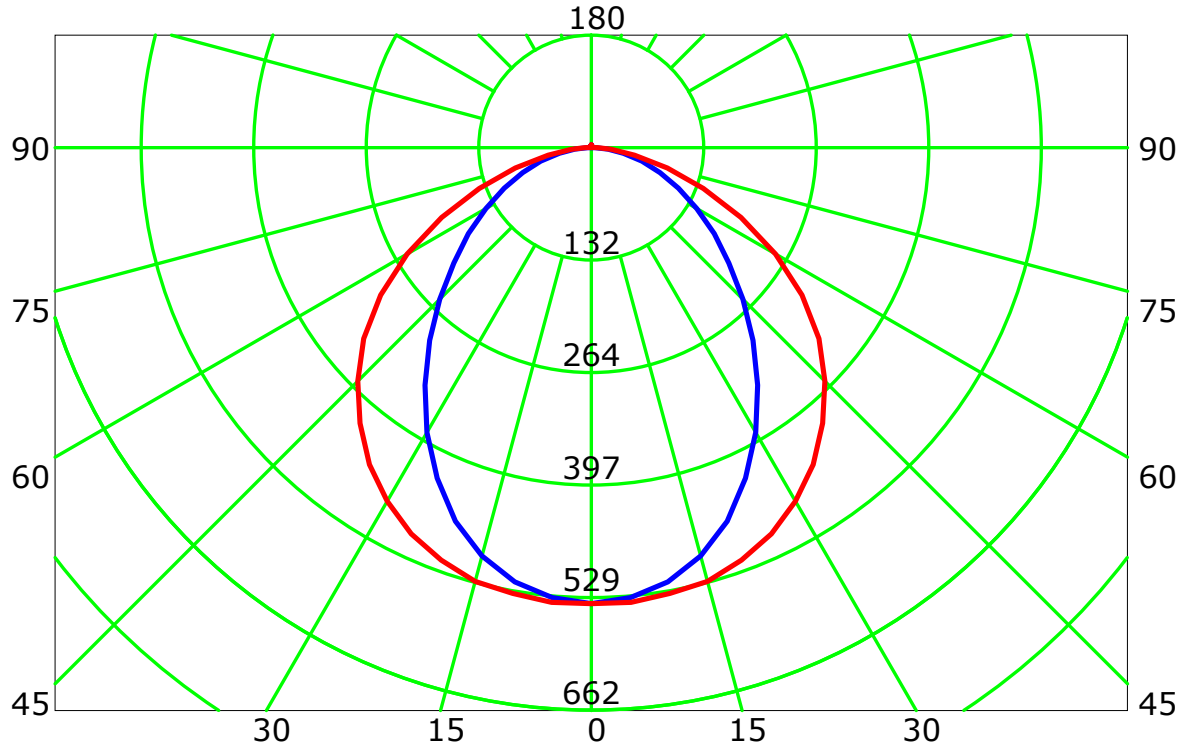
Temperature:

Humidity:

Operator:

Inspector:

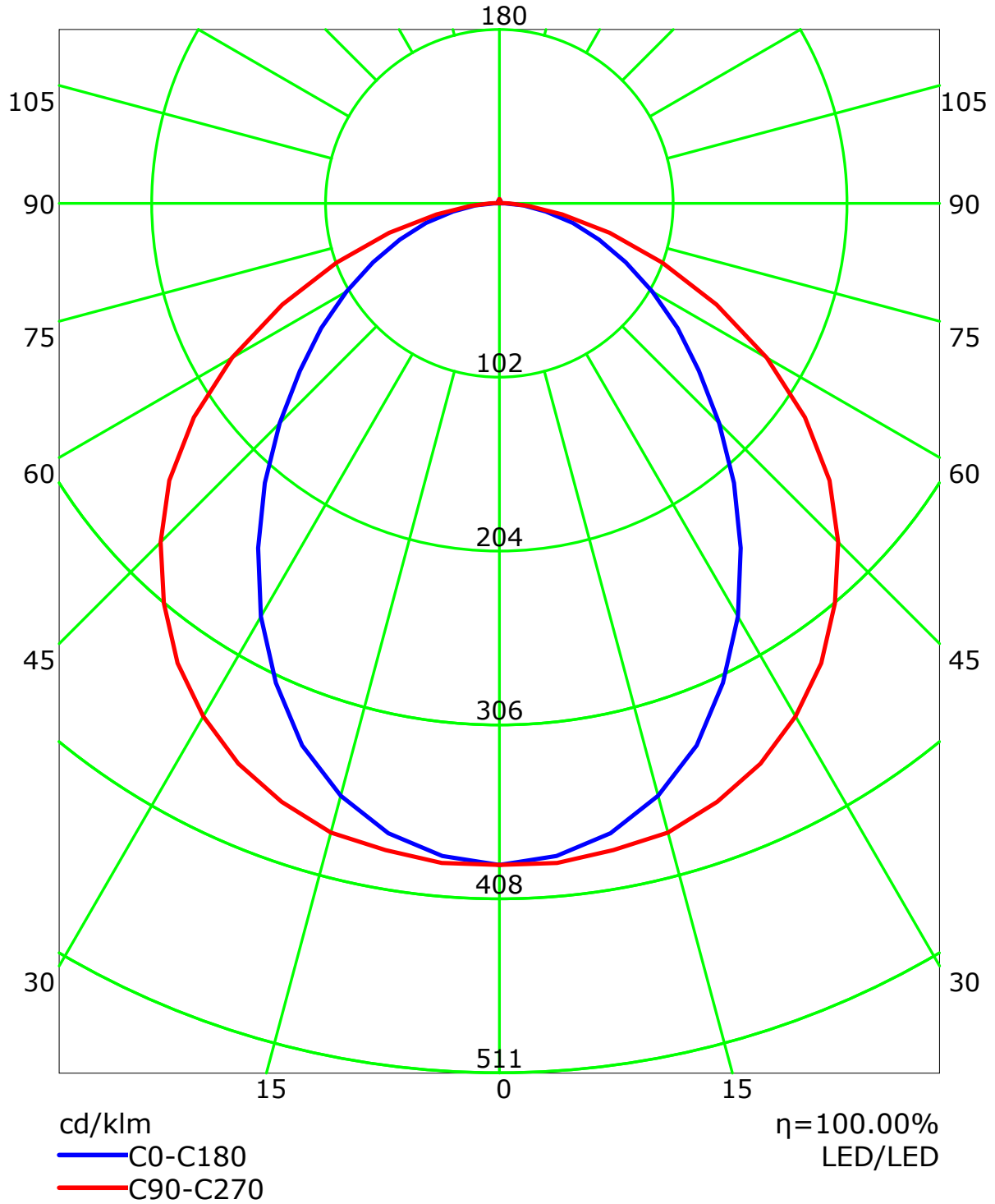
Luminous Intensity Distribution Curve



C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



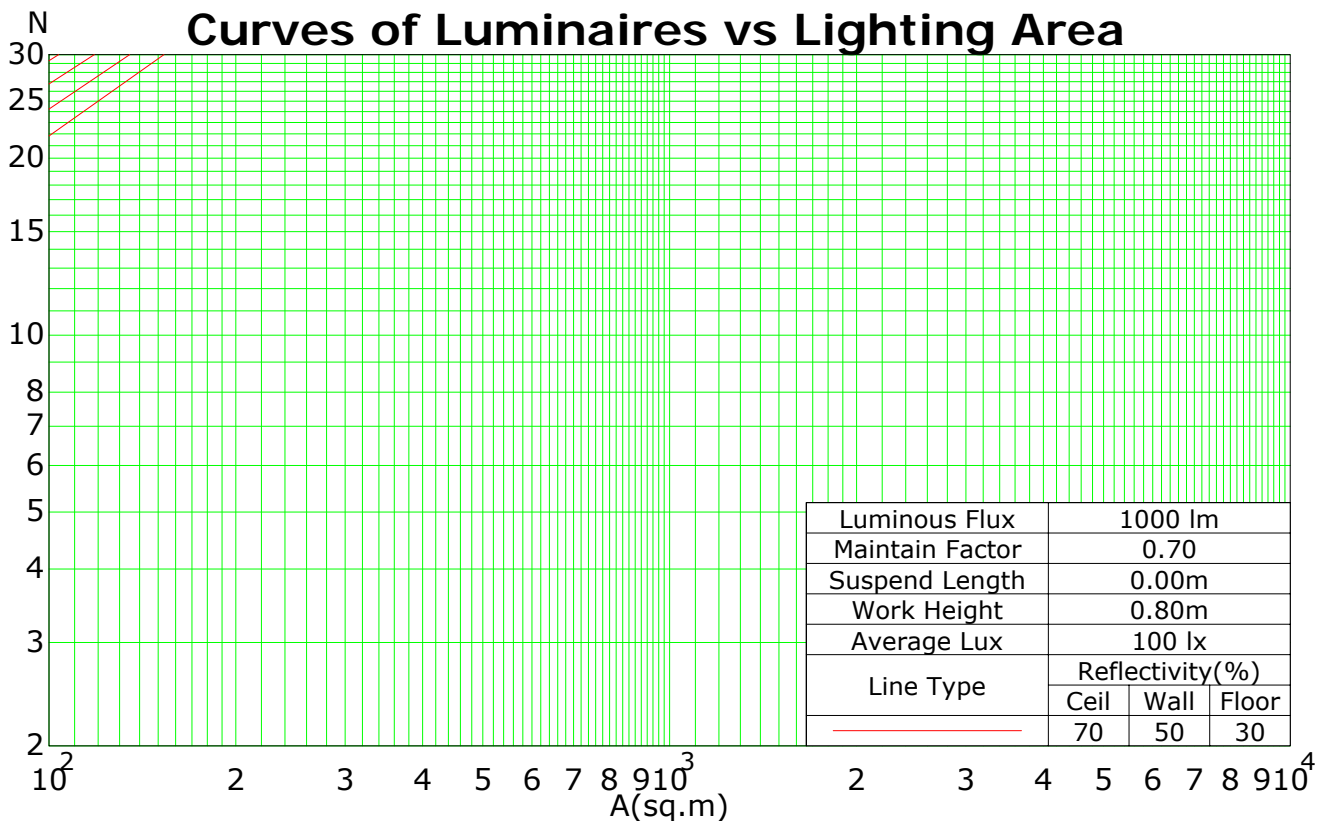
C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71
3	91	81	73	67	88	79	72	66	76	70	65	73	68	63	71	66	62	60
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	33	28	39	32	28	38	32	28	26

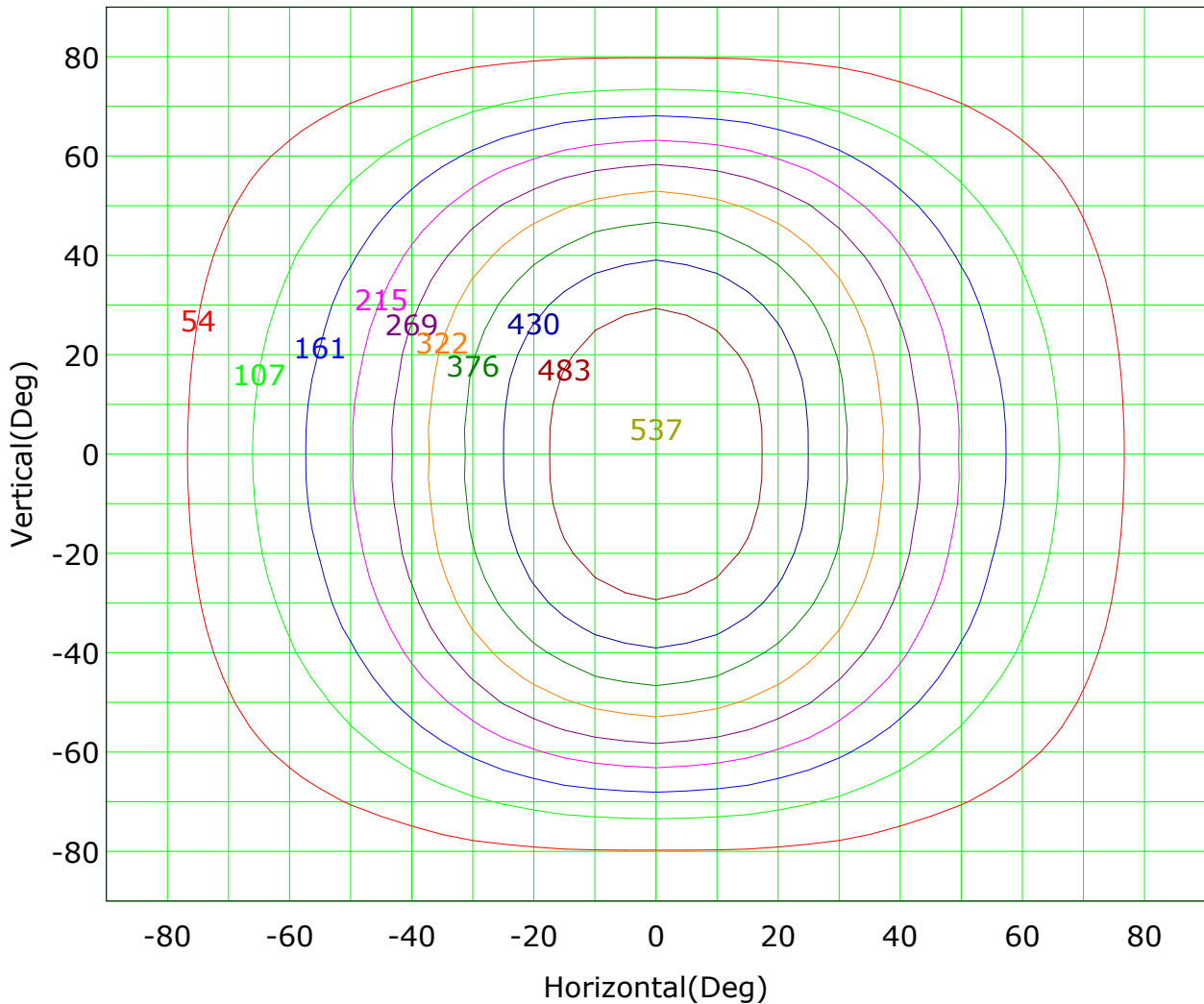
Spacing Criteria (0-180): 1.10
 Spacing Criteria (90-270): 1.32
 Spacing Criteria (Diagonal): 1.31



C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Isocandela (rectangle)



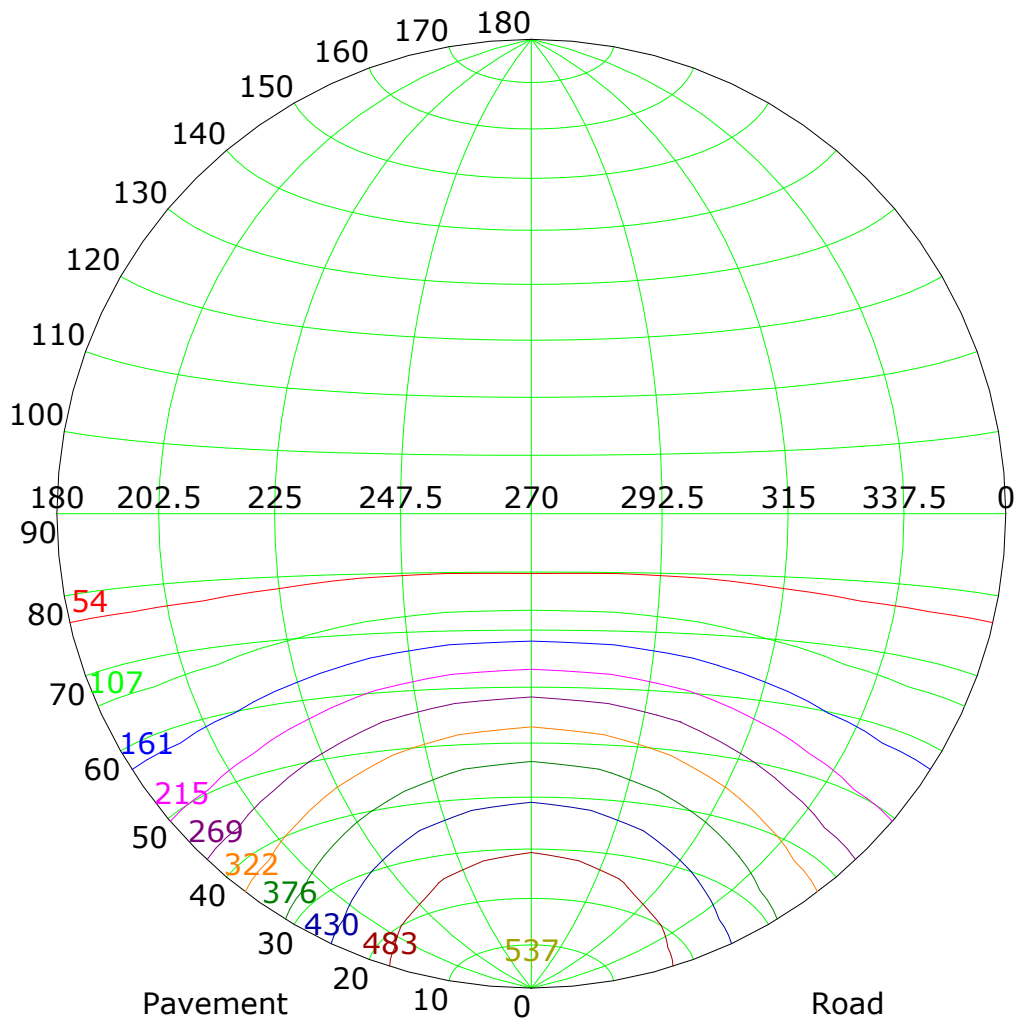
Imax (100%): 537 cd

— (10%):	54 cd	— (20%):	107 cd
— (30%):	161 cd	— (40%):	215 cd
— (50%):	269 cd	— (60%):	322 cd
— (70%):	376 cd	— (80%):	430 cd
— (90%):	483 cd	— (100%):	537 cd

C Plane (°):0.0-90.0: 15.0
Test Lab: LCTECH
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device:
Distance:
Humidity:
Inspector:

Isocandela (sphere)



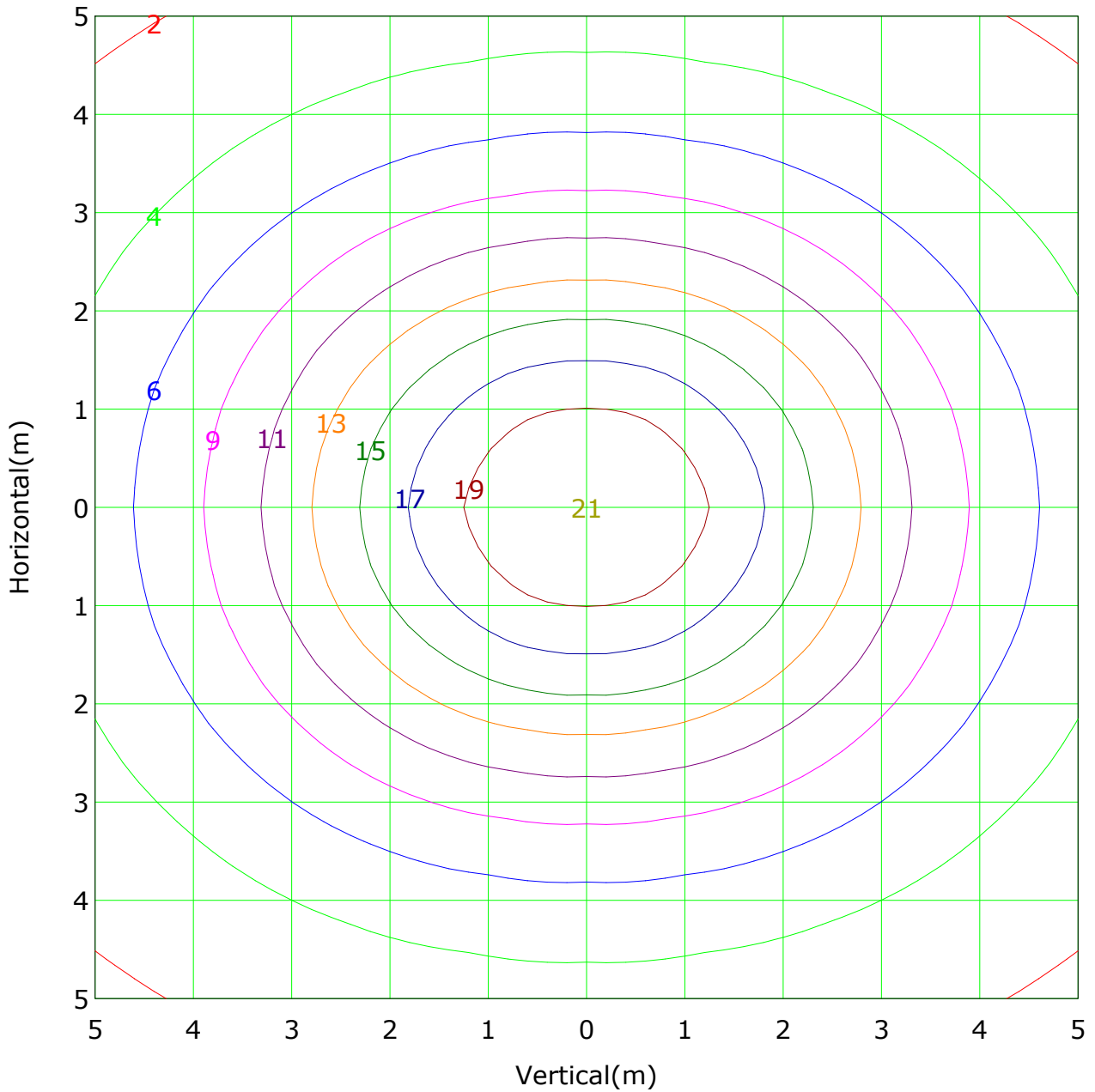
Imax (100%): 537 cd

— (10%):	54 cd	— (20%):	107 cd
— (30%):	161 cd	— (40%):	215 cd
— (50%):	269 cd	— (60%):	322 cd
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C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

IsoLux Plot



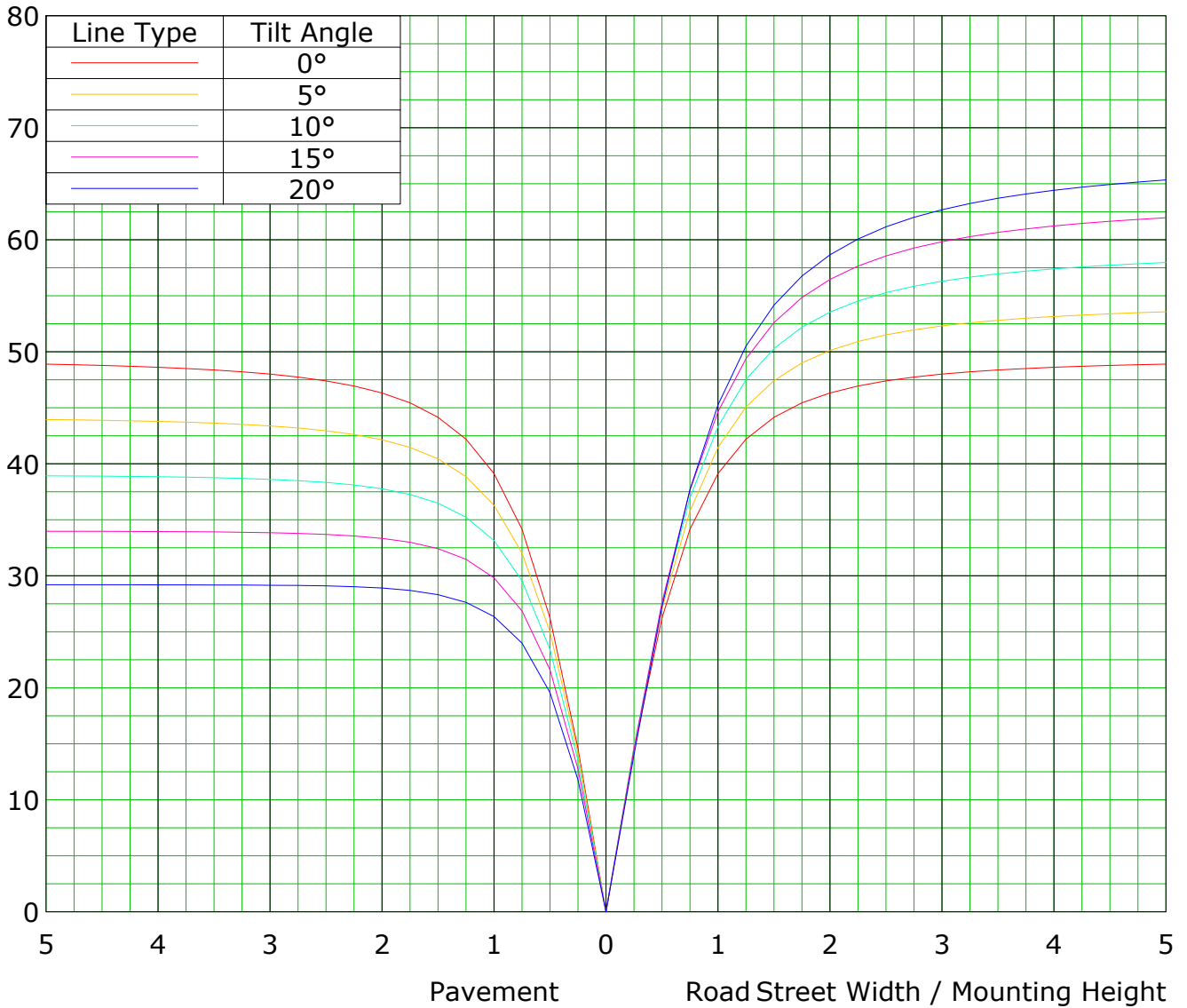
Mounting Height: 5.0m		Max Lux(100%): 21.5 lx
— (10%):	2.1 lx	— (20%): 4.3 lx
— (30%):	6.4 lx	— (40%): 8.6 lx
— (50%):	10.7 lx	— (60%): 12.9 lx
— (70%):	15.0 lx	— (80%): 17.2 lx
— (90%):	19.3 lx	— (100%): 21.5 lx

C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



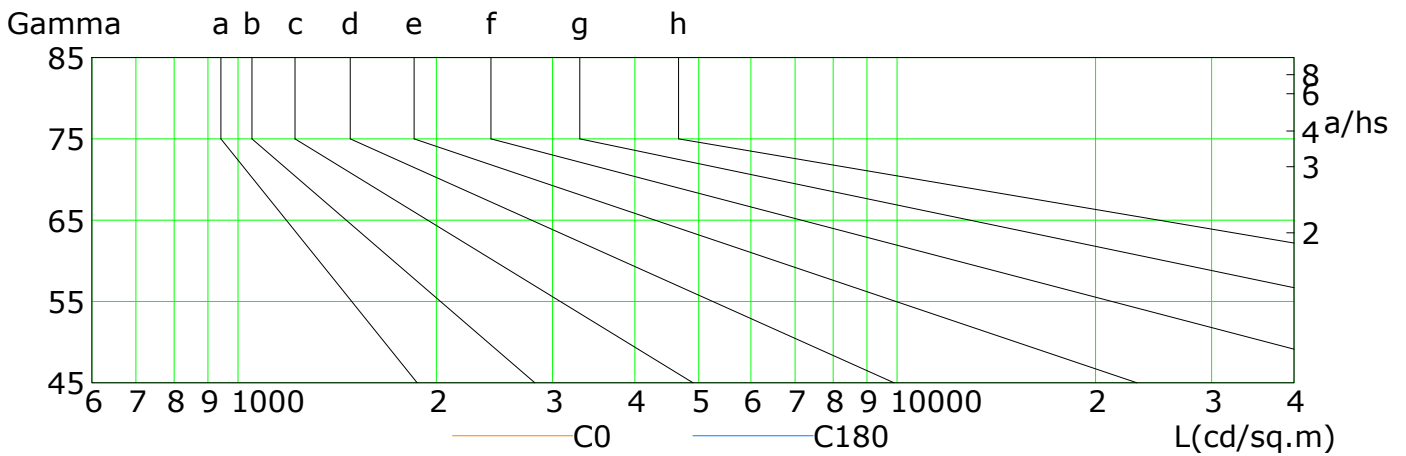
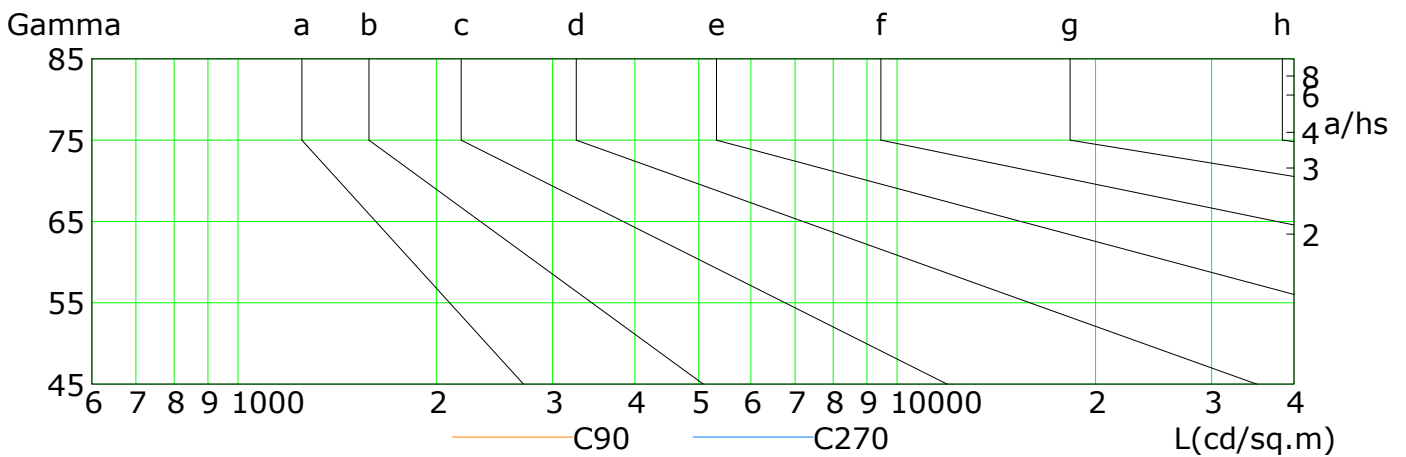
C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

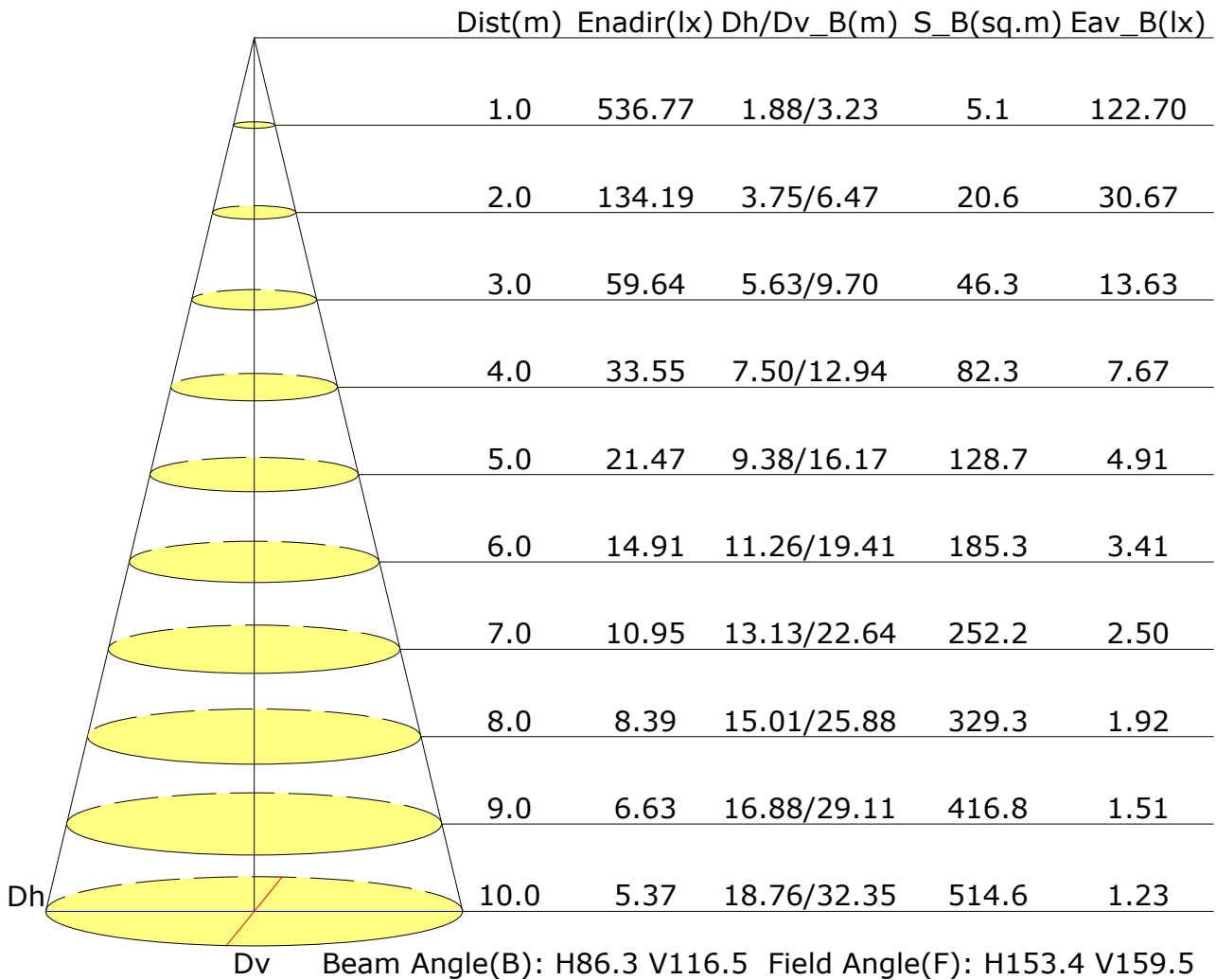


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	149911	135136	123164	111060	99096	87762	75883	59771	42371
C90	247724	242564	232379	217128	195167	169071	140501	107206	77632
C180	149911	135136	123164	111060	99096	87762	75883	59771	42371
C270	247724	242564	232379	217128	195167	169071	140501	107206	77632

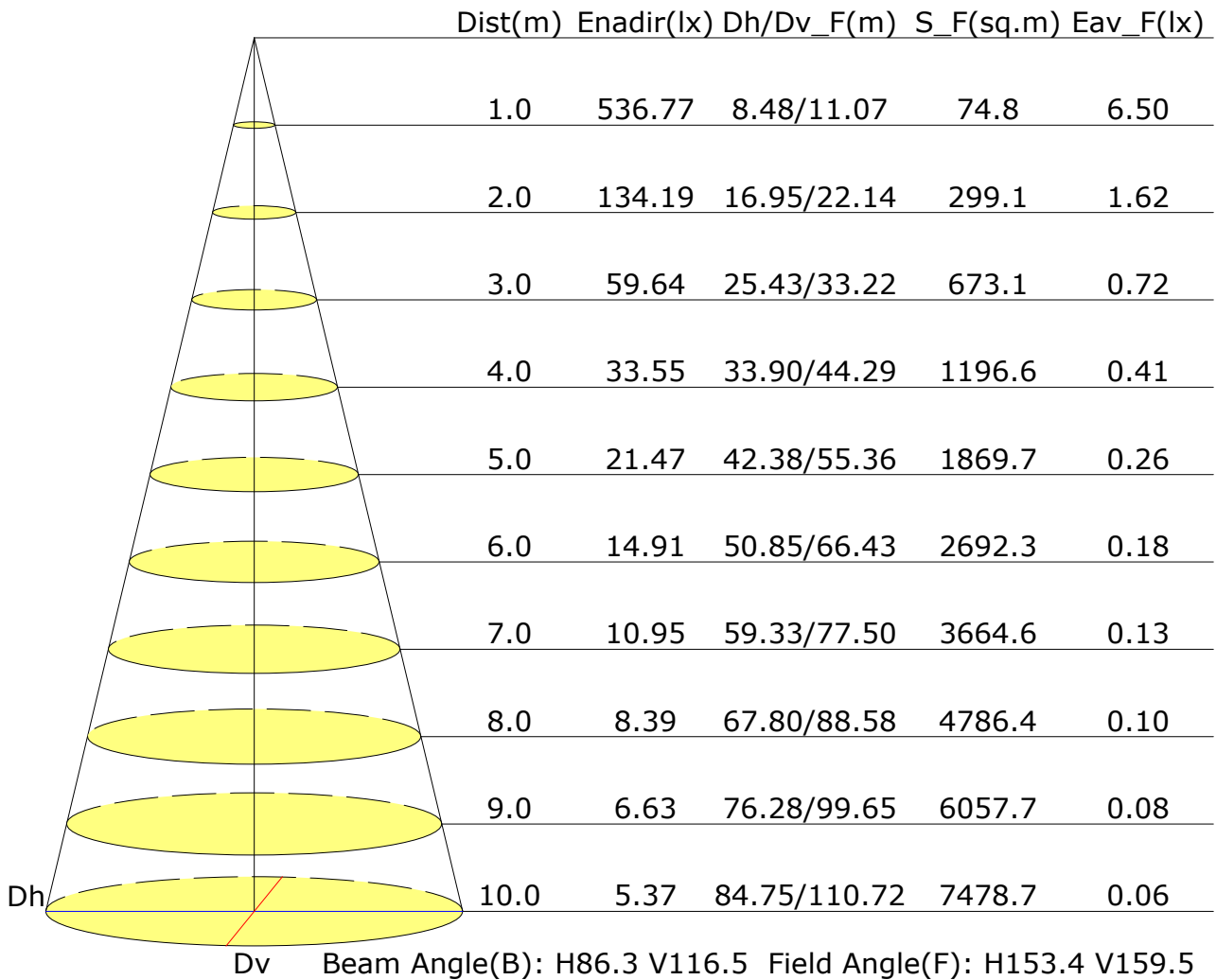
C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

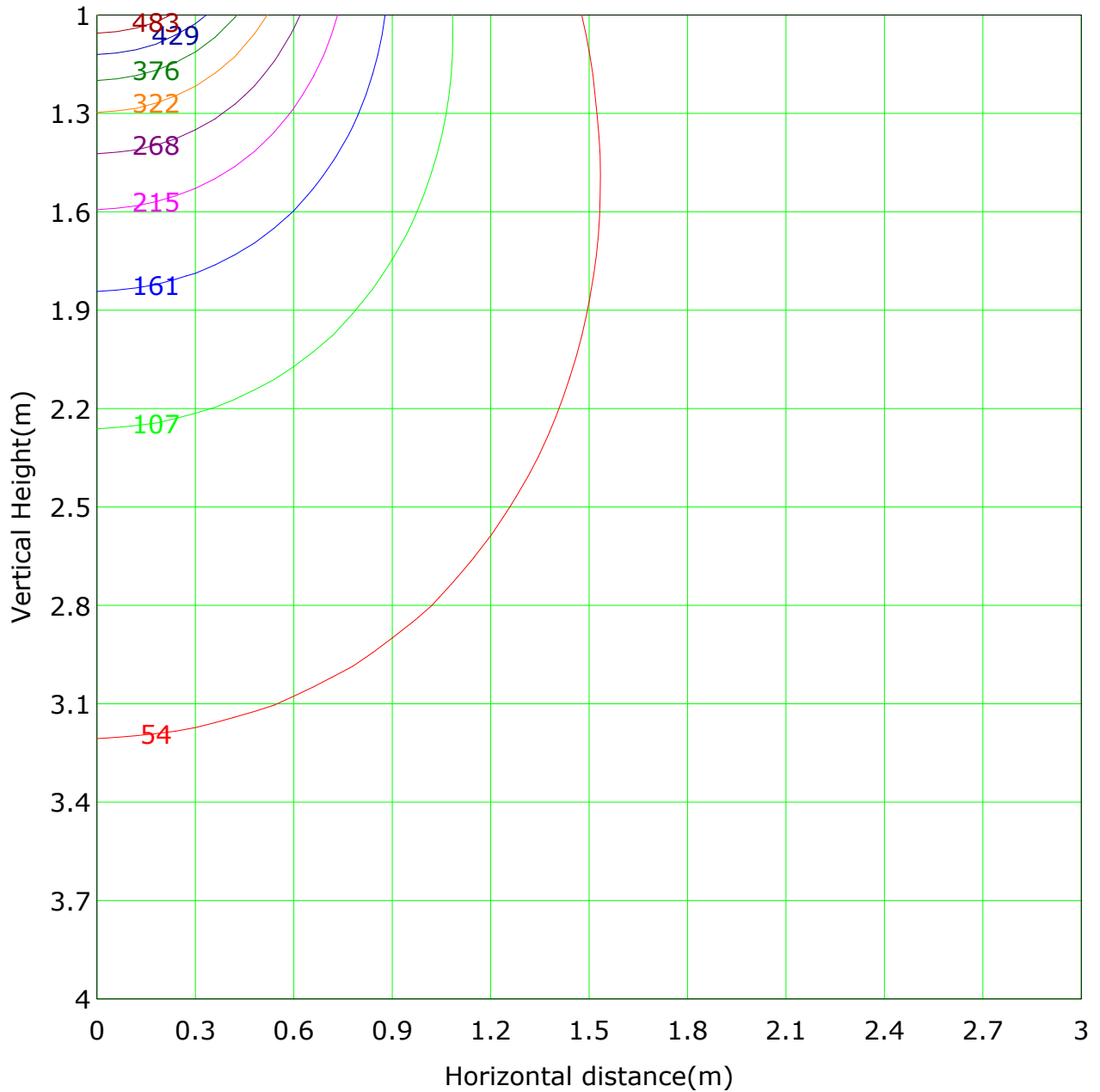
Illuminance at a Distance(Beam Angle)



Illuminance at a Distance(Field Angle)



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 4.0m	Max Lux: 536.8 lx
— (10%): 53.7 lx	— (20%): 107.4 lx	
— (30%): 161.0 lx	— (40%): 214.7 lx	
— (50%): 268.4 lx	— (60%): 322.1 lx	
— (70%): 375.7 lx	— (80%): 429.4 lx	
— (90%): 483.1 lx	— (100%): 536.8 lx	

C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Area Flux Table

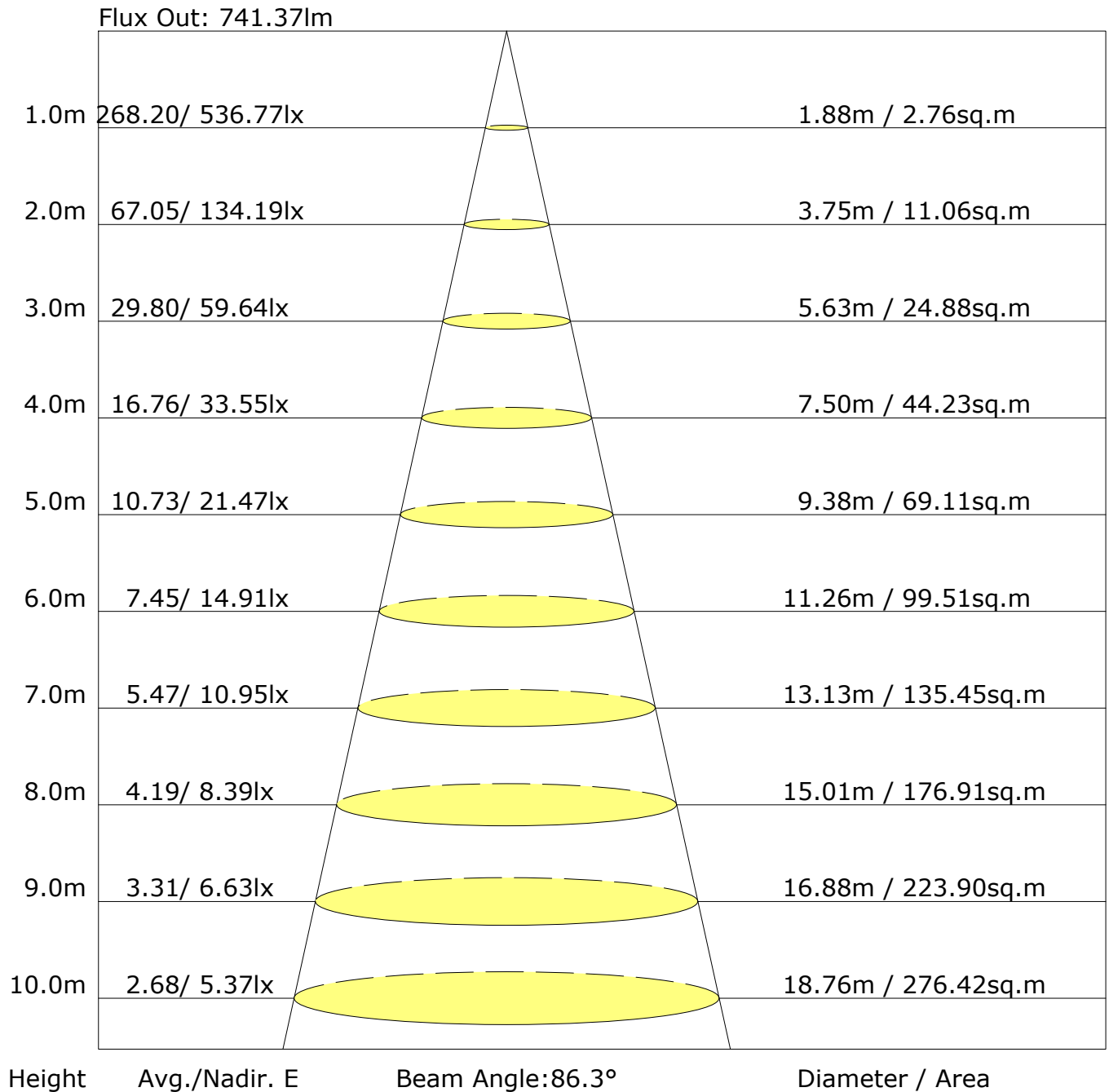
Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	Flux(E)	Flux(T)
-90	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	1337	1337
-80	0.0	0.1	0.3	0.6	1.0	1.5	2.1	2.6	2.8	2.8	2.6	2.1	1.5	1.0	0.6	0.3	0.1	0.0	0.0	0.0	22.3	17.5
-70	0.0	0.2	0.5	1.1	1.9	2.9	4.1	5.2	5.8	5.8	5.2	4.1	2.9	1.9	1.1	0.5	0.2	0.0	0.0	0.0	43.5	41.6
-60	0.0	0.3	0.8	1.5	2.8	4.5	6.4	8.0	9.0	9.0	8.0	6.4	4.5	2.8	1.5	0.8	0.3	0.0	0.0	0.0	66.4	65.4
-50	0.1	0.3	1.0	2.0	3.7	5.9	8.4	10.4	11.6	11.6	10.4	8.4	5.9	3.7	2.0	1.0	0.3	0.0	0.0	0.0	86.5	85.9
-40	0.1	0.4	1.1	2.4	4.4	7.1	9.9	12.2	13.6	13.6	12.2	9.9	7.1	4.4	2.4	1.1	0.4	0.1	0.1	0.1	102.5	102.0
-30	0.1	0.5	1.3	2.8	5.0	7.9	11.0	13.5	14.9	14.9	13.5	11.0	7.9	5.0	2.8	1.3	0.5	0.1	0.1	0.1	113.9	113.5
-20	0.1	0.5	1.4	3.0	5.3	8.4	11.6	14.3	15.7	15.7	14.3	11.6	8.4	5.3	3.0	1.4	0.5	0.1	0.1	0.1	120.3	120.0
-10	0.1	0.5	1.5	3.1	5.5	8.5	11.8	14.6	16.0	16.0	14.6	11.8	8.5	5.5	3.1	1.5	0.5	0.1	0.1	0.1	123.2	122.9
0	0.1	0.5	1.5	3.1	5.5	8.5	11.8	14.6	16.0	16.0	14.6	11.8	8.5	5.5	3.1	1.5	0.5	0.1	0.1	0.1	123.2	122.9
10	0.1	0.5	1.5	3.1	5.5	8.5	11.8	14.6	16.0	16.0	14.6	11.8	8.5	5.5	3.1	1.5	0.5	0.1	0.1	0.1	120.3	120.0
20	0.1	0.5	1.4	3.0	5.3	8.4	11.6	14.3	15.7	15.7	14.3	11.6	8.4	5.3	3.0	1.4	0.5	0.1	0.1	0.1	113.9	113.5
30	0.1	0.5	1.3	2.8	5.0	7.9	11.0	13.5	14.9	14.9	13.5	11.0	7.9	5.0	2.8	1.3	0.5	0.1	0.1	0.1	102.5	102.0
40	0.1	0.4	1.1	2.4	4.4	7.1	9.9	12.2	13.6	13.6	12.2	9.9	7.1	4.4	2.4	1.1	0.4	0.1	0.1	0.1	86.5	85.9
50	0.1	0.3	1.0	2.0	3.7	5.9	8.4	10.4	11.6	11.6	10.4	8.4	5.9	3.7	2.0	1.0	0.3	0.1	0.1	0.1	66.4	65.4
60	0.0	0.3	0.8	1.5	2.8	4.5	6.4	8.0	9.0	9.0	8.0	6.4	4.5	2.8	1.5	0.8	0.3	0.0	0.0	0.0	43.5	41.6
70	0.0	0.2	0.5	1.1	1.9	2.9	4.1	5.2	5.8	5.8	5.2	4.1	2.9	1.9	1.1	0.5	0.2	0.0	0.0	0.0	22.3	17.5
80	0.0	0.1	0.3	0.6	1.0	1.5	2.1	2.6	2.8	2.8	2.6	2.1	1.5	1.0	0.6	0.3	0.1	0.0	0.0	0.0	7.2	0.0
90	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0		
Flux(E)	0.9	5.7	16.1	33.5	59.7	94.4	132.0	163.1	180.3	180.3	163.1	132.0	94.4	59.7	33.5	16.1	5.7	0.9	0.9	0.9	1371	
Flux(T)	0.0	2.7	13.8	31.3	57.6	92.6	130.3	161.5	178.7	178.7	161.5	130.3	92.6	57.6	31.3	13.8	2.7	0.0	0.0	0.0		1337

C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-90.0: 15.0
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Gamma Plane (°):0.0-180.0:5.0
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UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference 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	28.7	30.1	29.0	30.3	30.6	31.5	32.9	31.8	33.1	33.3
3H	29.8	31.0	30.1	31.3	31.5	32.9	34.1	33.2	34.4	34.7
4H	30.2	31.3	30.5	31.6	31.9	33.3	34.5	33.7	34.8	35.1
6H	30.5	31.6	30.9	31.9	32.2	33.7	34.7	34.0	35.0	35.4
8H	30.6	31.6	31.0	31.9	32.3	33.7	34.8	34.1	35.1	35.4
12H	30.6	31.6	31.0	32.0	32.3	33.8	34.8	34.2	35.1	35.5
X=4H Y=2H	29.6	30.7	29.9	31.0	31.3	31.8	32.9	32.1	33.2	33.5
3H	30.7	31.7	31.1	32.1	32.4	33.3	34.3	33.7	34.7	35.0
4H	31.2	32.1	31.6	32.5	32.9	33.9	34.8	34.4	35.2	35.6
6H	31.6	32.4	32.0	32.8	33.2	34.4	35.2	34.8	35.5	36.0
8H	31.7	32.5	32.2	32.9	33.3	34.5	35.2	34.9	35.6	36.1
12H	31.8	32.5	32.3	32.9	33.4	34.6	35.2	35.0	35.7	36.1
X=8H Y=4H	31.6	32.3	32.0	32.7	33.1	34.0	34.8	34.5	35.2	35.6
6H	32.1	32.6	32.5	33.1	33.6	34.6	35.1	35.0	35.6	36.1
8H	32.2	32.8	32.7	33.2	33.7	34.8	35.3	35.2	35.7	36.2
12H	32.4	32.8	32.9	33.3	33.8	34.9	35.3	35.4	35.8	36.3
X=12H Y=4H	31.6	32.2	32.1	32.7	33.1	34.0	34.7	34.5	35.1	35.5
6H	32.1	32.6	32.6	33.1	33.6	34.6	35.1	35.1	35.5	36.0
8H	32.3	32.8	32.8	33.3	33.8	34.8	35.2	35.3	35.7	36.2
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.3					+0.2/-0.2				
S=1.5H	+0.5/-0.8					+0.4/-0.4				
S=2.0H	+0.7/-1.3					+0.8/-1.0				

Calculate in accordance with CIE Pub.117. The table is revised with 1380lm ($8\log(F/F_0) = 1.1$).

C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

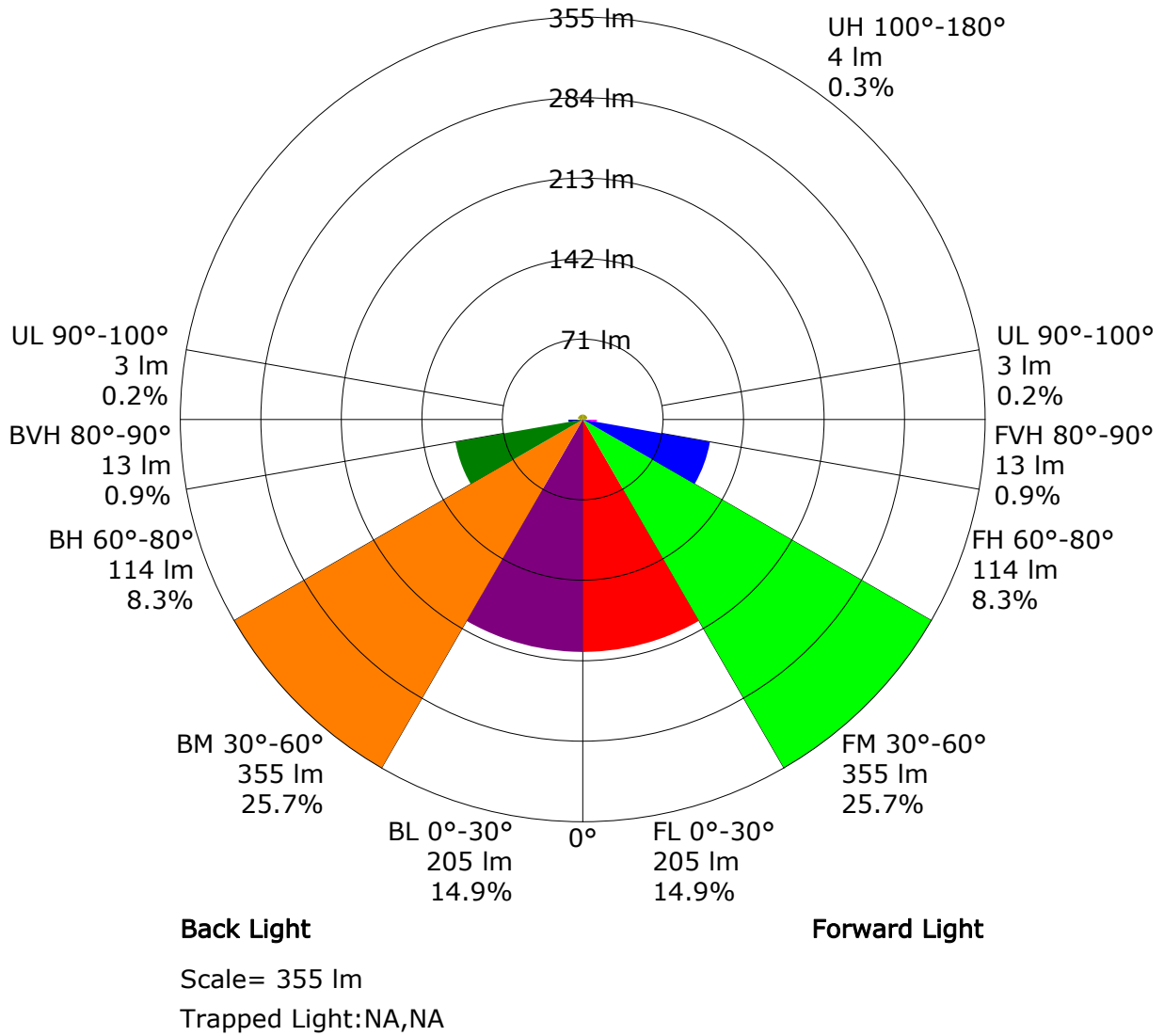
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	686	49.7
	FL (0°-30°)	205	14.9
	FM (30°-60°)	355	25.7
	FH (60°-80°)	114	8.3
	FVH (80°-90°)	13	0.9
	BACK LIGHT	686	49.7
	BL (0°-30°)	205	14.9
	BM (30°-60°)	355	25.7
	BH (60°-80°)	114	8.3
	BVH (80°-90°)	13	0.9
	UP LIGHT	7	0.5
	UL (90°-100°)	3	0.2
	UH (100°-180°)	4	0.3
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G1

C Plane (°):0.0-90.0: 15.0
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Gamma Plane (°):0.0-180.0:5.0
 Test Device:
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 Humidity:
 Inspector:

LCS Graph



Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.59	0.69	0.76	0.81	0.88	0.93	0.97	1.01	1.04	
	0.30		0.51	0.62	0.69	0.75	0.83	0.88	0.92	0.97	1.00	
	0.20		0.46	0.56	0.64	0.69	0.78	0.83	0.88	0.94	0.97	
0.50	0.50	0.20	0.57	0.67	0.74	0.79	0.85	0.90	0.93	0.97	1.00	
	0.30		0.50	0.60	0.68	0.73	0.80	0.85	0.89	0.94	0.97	
	0.20		0.45	0.55	0.63	0.68	0.76	0.81	0.85	0.91	0.94	
0.30	0.50	0.20	0.56	0.65	0.71	0.76	0.82	0.86	0.89	0.93	0.96	
	0.30		0.50	0.59	0.66	0.71	0.78	0.83	0.86	0.91	0.93	
	0.20		0.45	0.55	0.62	0.67	0.74	0.80	0.83	0.88	0.91	
0.00	0.00	0.00	0.43	0.52	0.59	0.64	0.71	0.76	0.79	0.84	0.86	
<p>Rating:15W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-90.0: 15.0
 Test Lab: LCTECH
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.96	0.79	0.67	0.58	0.47	0.39	0.33	0.26	0.21	
	0.30		0.80	0.68	0.59	0.52	0.42	0.35	0.31	0.24	0.20	
	0.20		0.69	0.59	0.52	0.46	0.38	0.33	0.28	0.23	0.19	
0.50	0.50	0.20	0.93	0.76	0.64	0.56	0.44	0.40	0.31	0.24	0.20	
	0.30		0.78	0.66	0.57	0.50	0.41	0.34	0.29	0.23	0.19	
	0.20		0.68	0.58	0.51	0.45	0.37	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.90	0.73	0.62	0.53	0.42	0.35	0.30	0.23	0.19	
	0.30		0.77	0.64	0.55	0.48	0.39	0.33	0.28	0.22	0.18	
	0.20		0.67	0.57	0.50	0.44	0.36	0.31	0.27	0.21	0.17	
0.00	0.00	0.00	0.57	0.47	0.41	0.36	0.29	0.24	0.21	0.16	0.13	
<p>Rating:15W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.15	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.16	0.18	0.18
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.16
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<p>Rating:15W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

C Plane (°):0.0-90.0: 15.0
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 Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	535.4	12.8	12.8	0.93	0.93
5.0-10.0	529.7	37.9	50.7	2.75	3.67
10.0-15.0	518.6	61.5	112.2	4.46	8.13
15.0-20.0	502.3	82.8	195.0	6.00	14.13
20.0-25.0	480.0	100.7	295.7	7.30	21.43
25.0-30.0	451.8	114.3	410.0	8.29	29.71
30.0-35.0	418.9	123.4	533.4	8.94	38.65
35.0-40.0	381.9	127.4	660.8	9.23	47.88
40.0-45.0	341.8	126.6	787.4	9.17	57.06
45.0-50.0	299.9	121.2	908.6	8.78	65.84
50.0-55.0	257.1	111.8	1020.4	8.10	73.94
55.0-60.0	213.6	98.8	1119.2	7.16	81.10
60.0-65.0	170.1	82.7	1201.9	5.99	87.09
65.0-70.0	129.0	65.3	1267.2	4.73	91.82
70.0-75.0	92.1	48.2	1315.4	3.49	95.31
75.0-80.0	59.7	31.9	1347.3	2.31	97.62
80.0-85.0	32.9	17.9	1365.2	1.29	98.92
85.0-90.0	14.0	7.7	1372.8	0.56	99.47
90.0-95.0	4.2	2.3	1375.1	0.17	99.64
95.0-100.0	1.0	0.6	1375.7	0.04	99.68
100.0-105.0	0.3	0.2	1375.8	0.01	99.69
105.0-110.0	0.3	0.1	1376.0	0.01	99.70
110.0-115.0	0.3	0.1	1376.1	0.01	99.71
115.0-120.0	0.4	0.2	1376.3	0.01	99.73
120.0-125.0	0.6	0.3	1376.6	0.02	99.75
125.0-130.0	0.7	0.3	1376.9	0.02	99.77
130.0-135.0	0.8	0.3	1377.2	0.02	99.79
135.0-140.0	1.0	0.4	1377.6	0.03	99.82
140.0-145.0	1.2	0.4	1378.0	0.03	99.85
145.0-150.0	1.3	0.4	1378.4	0.03	99.87
150.0-155.0	1.5	0.4	1378.7	0.03	99.90
155.0-160.0	1.8	0.4	1379.1	0.03	99.93
160.0-165.0	2.3	0.4	1379.5	0.03	99.96
165.0-170.0	2.6	0.3	1379.8	0.02	99.98
170.0-175.0	2.8	0.2	1380.0	0.01	99.99
175.0-180.0	3.2	0.1	1380.1	0.01	100.00

C Plane (°):0.0-90.0: 15.0
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Candlepower Table

Unit: cd

G\C	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0			
G0.0	536.8	536.8	536.8	536.8	536.8	536.8	536.8			
G5.0	531.5	532.2	534.4	533.9	534.6	534.8	537.2			
G10.0	518.9	519.8	523.9	525.6	527.6	529.6	532.9			
G15.0	497.6	500.1	506.6	511.0	517.4	522.6	528.5			
G20.0	468.0	472.9	483.6	493.6	502.8	511.5	516.8			
G25.0	429.3	434.5	450.7	469.1	486.4	496.7	501.5			
G30.0	387.1	394.6	415.5	438.6	461.1	474.9	480.7			
G35.0	341.5	351.0	375.9	404.3	430.8	448.1	455.4			
G40.0	296.2	304.6	332.3	365.5	395.5	416.1	423.7			
G45.0	252.3	259.7	287.0	323.1	356.7	380.8	388.9			
G50.0	211.4	218.2	241.7	277.5	314.4	339.0	349.7			
G55.0	176.6	180.1	200.1	231.9	268.6	293.2	302.7			
G60.0	143.5	145.4	159.6	186.8	219.3	241.8	250.5			
G65.0	113.1	113.2	122.4	144.2	169.6	188.2	194.4			
G70.0	86.1	86.1	90.8	105.4	123.8	137.0	140.5			
G75.0	61.8	61.3	63.7	71.8	83.9	91.3	92.7			
G80.0	38.3	37.9	39.2	43.0	49.1	52.5	51.8			
G85.0	19.6	19.6	20.1	21.4	22.7	22.4	23.5			
G90.0	4.3	5.2	6.1	7.0	7.8	7.8	7.8			
G95.0	0.9	1.1	1.1	1.1	2.0	2.8	3.5			
G100.0	0.0	0.0	0.0	0.2	0.4	0.7	1.3			
G105.0	0.0	0.0	0.2	0.2	0.4	0.4	0.4			
G110.0	0.0	0.0	0.2	0.2	0.4	0.4	0.4			
G115.0	0.0	0.2	0.0	0.4	0.4	0.4	0.4			
G120.0	0.4	0.7	0.4	0.7	0.4	0.4	0.4			
G125.0	0.9	0.9	0.7	0.9	0.4	0.7	0.4			
G130.0	1.3	1.1	0.9	0.4	0.4	0.9	0.9			
G135.0	1.3	1.1	0.9	0.4	0.4	0.9	0.9			
G140.0	1.7	1.7	1.3	0.9	0.9	0.9	0.9			
G145.0	2.2	1.7	1.5	0.9	0.9	0.9	0.9			
G150.0	2.2	1.7	1.5	1.1	0.9	0.9	0.9			
G155.0	1.7	2.0	1.8	1.7	1.7	1.7	1.7			
G160.0	2.2	2.2	2.0	1.7	1.7	1.7	1.7			
G165.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6			
G170.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6			
G175.0	3.0	2.8	2.8	3.3	3.3	2.6	3.5			
G180.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4			

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