

Report No.:

Test Time: 2025/12/20 星期六 15:35

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.5772 A
Power Factor: 0.9836

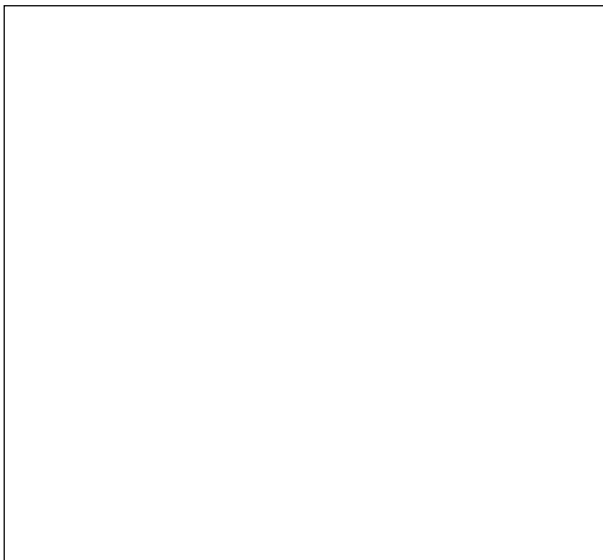
Luminaire Description: PSL007-120W
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 220.39 V
Power: 125.14 W

Photometric Results

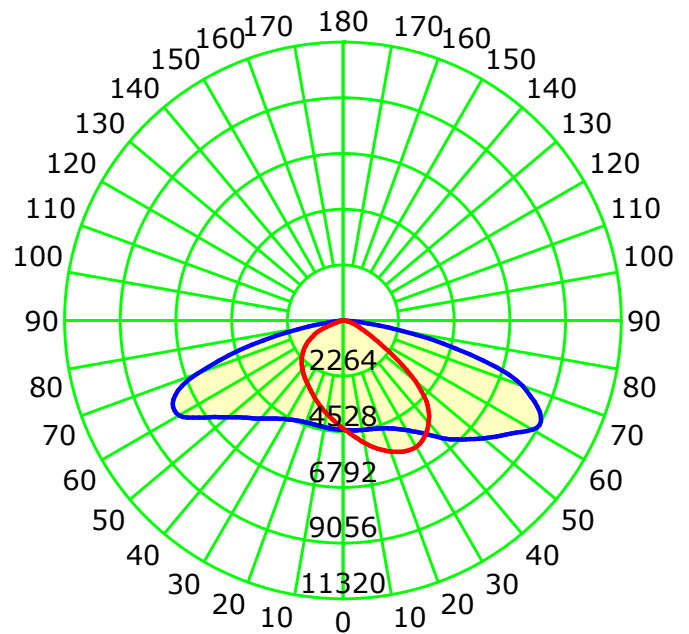
IES Classification: Type III
Total Rated Lamp Lumens: 19941.1 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 4448.53 cd
Pos of Max. Intensity: H0 V62
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 150.1, 82.4, 90.2, 101.5

Longitudinal Classification: Short
Measurement Flux: 19941.1 lm
Downward Ratio: 100%
Luminous Efficacy (lm/w): 159.35
Max. Intensity: 9056.52 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

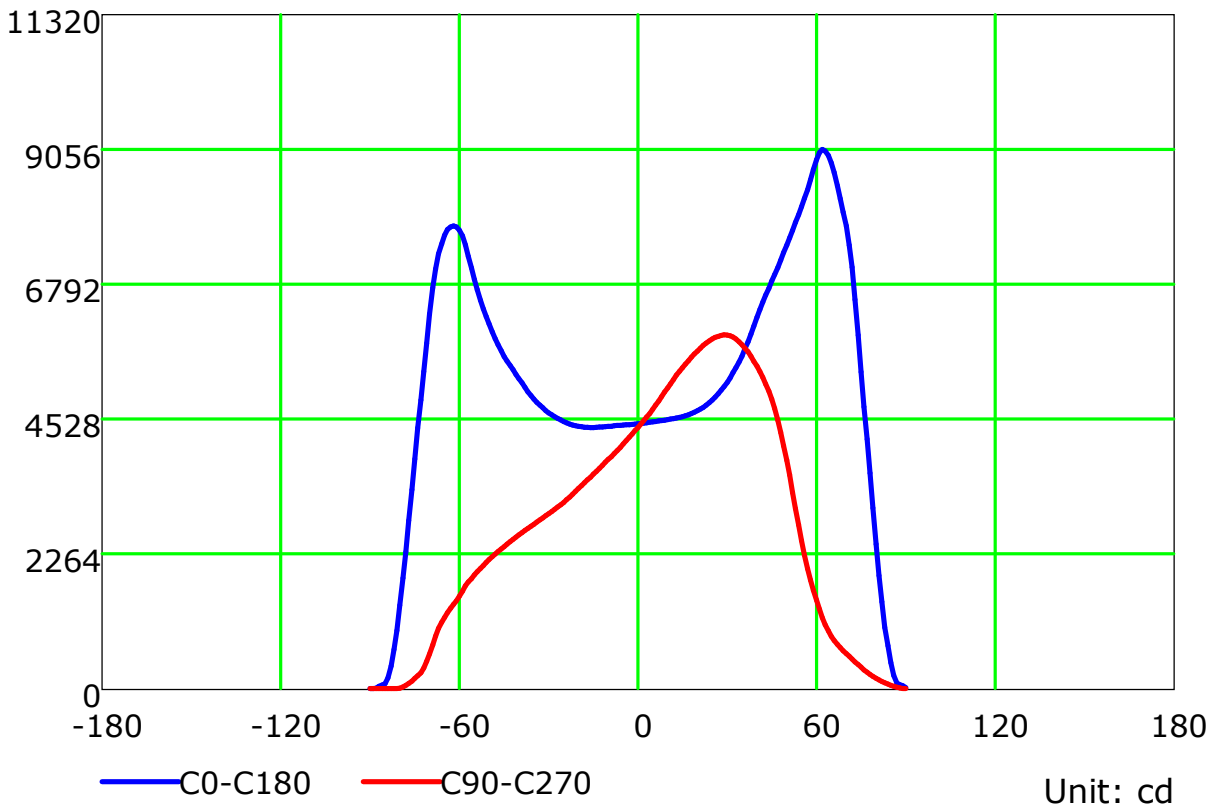
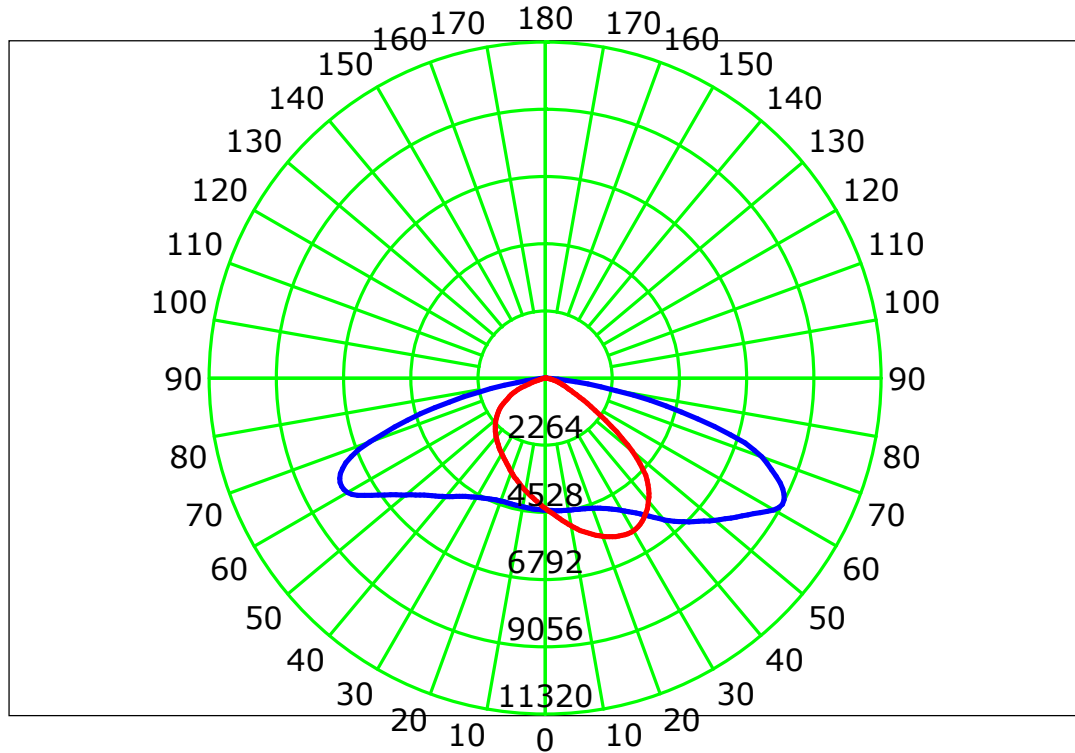
Average Diffuse Angle(50%): 116.2°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.8 °C
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
Distance: 16.601 m [K=1.0000]
Humidity:
Inspector:

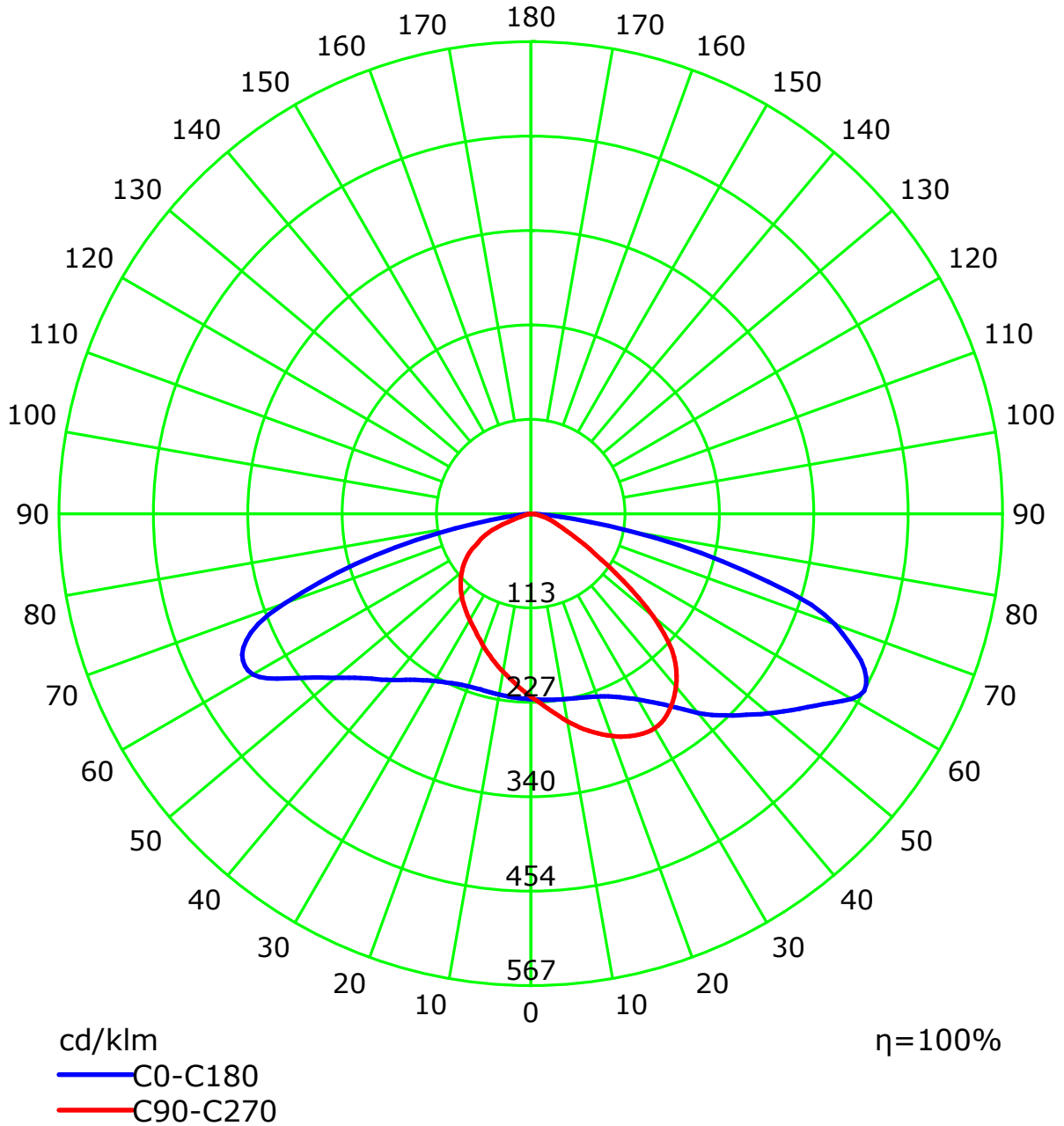
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.8 °C
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
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Humidity:
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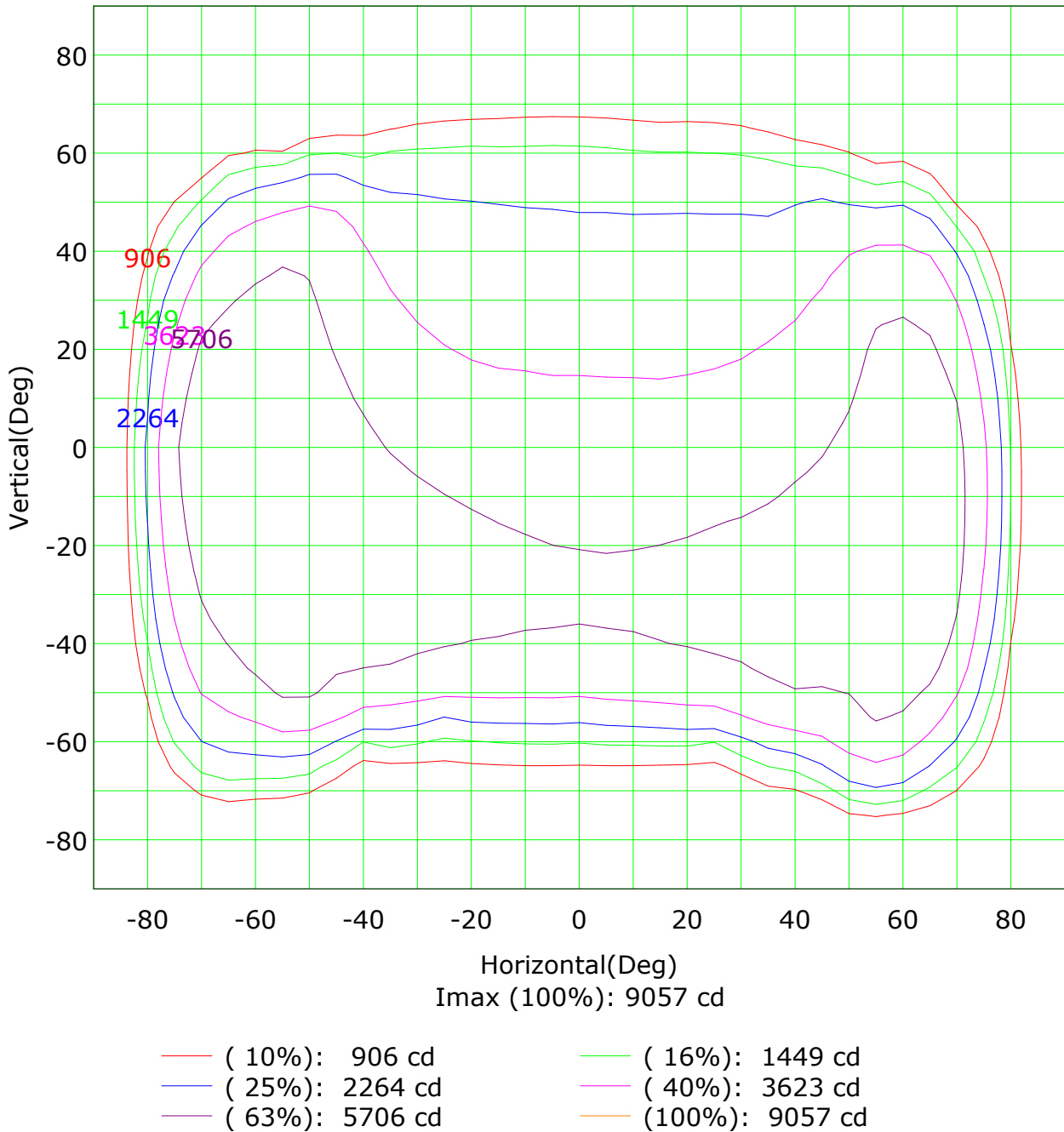
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.8 'C
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
Distance: 16.601 m [K=1.0000]
Humidity:
Inspector:

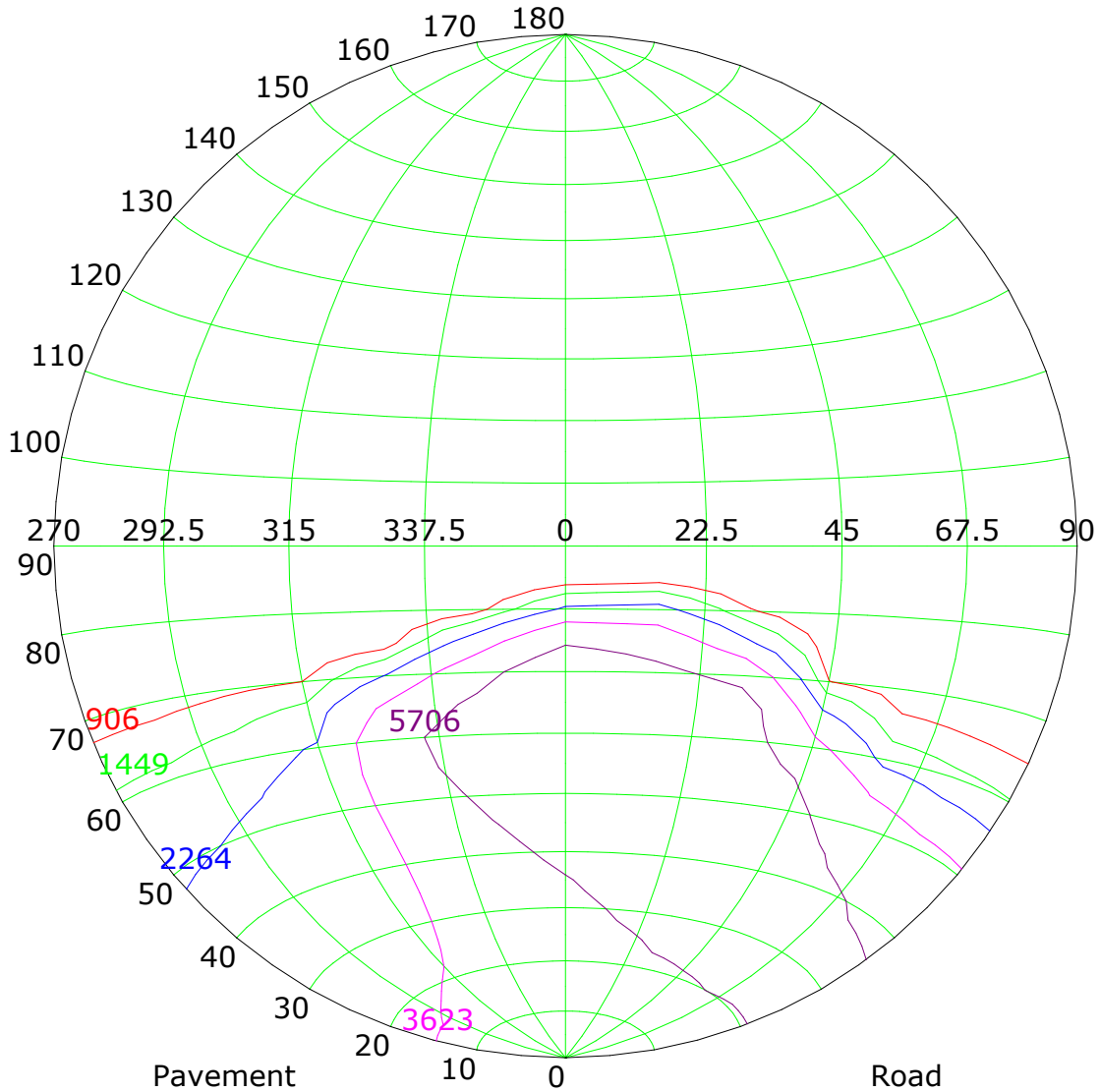
Isocandela (rectangle)



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.8 'C
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
Distance: 16.601 m [K=1.0000]
Humidity:
Inspector:

Isocandela (sphere)



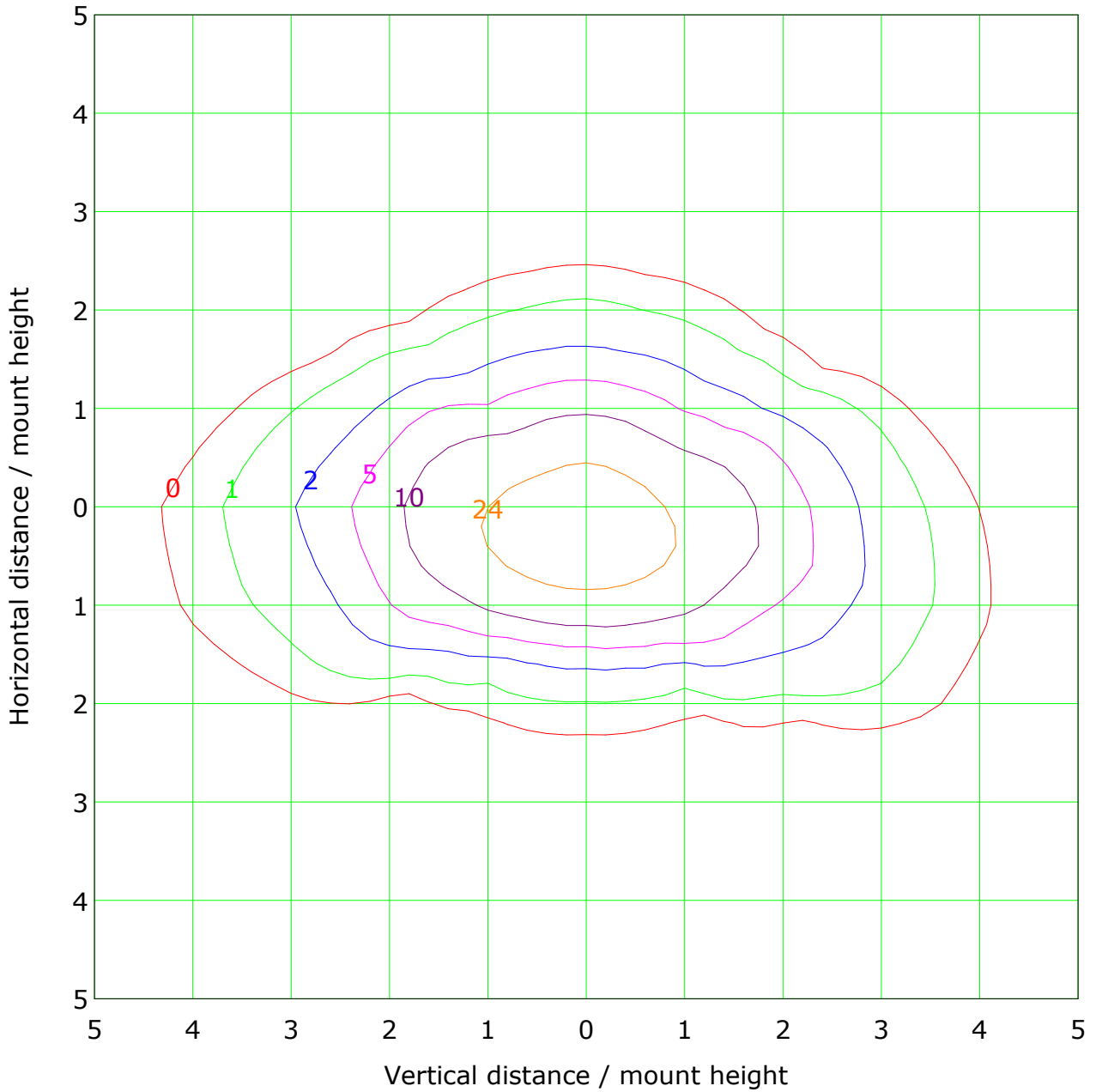
Imax (100%): 9057 cd

- | | |
|-------------------|-------------------|
| — (10%): 906 cd | — (16%): 1449 cd |
| — (25%): 2264 cd | — (40%): 3623 cd |
| — (63%): 5706 cd | — (100%): 9057 cd |

CIE: narrow - intermediate
CIE: Non-cut-off luminaire
Max.At90: 1.665 cd/klm

IES: Semi-cut-off
Max.At80: 129.625 cd/klm
Max.80-90: 129.625 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 48.7 lx

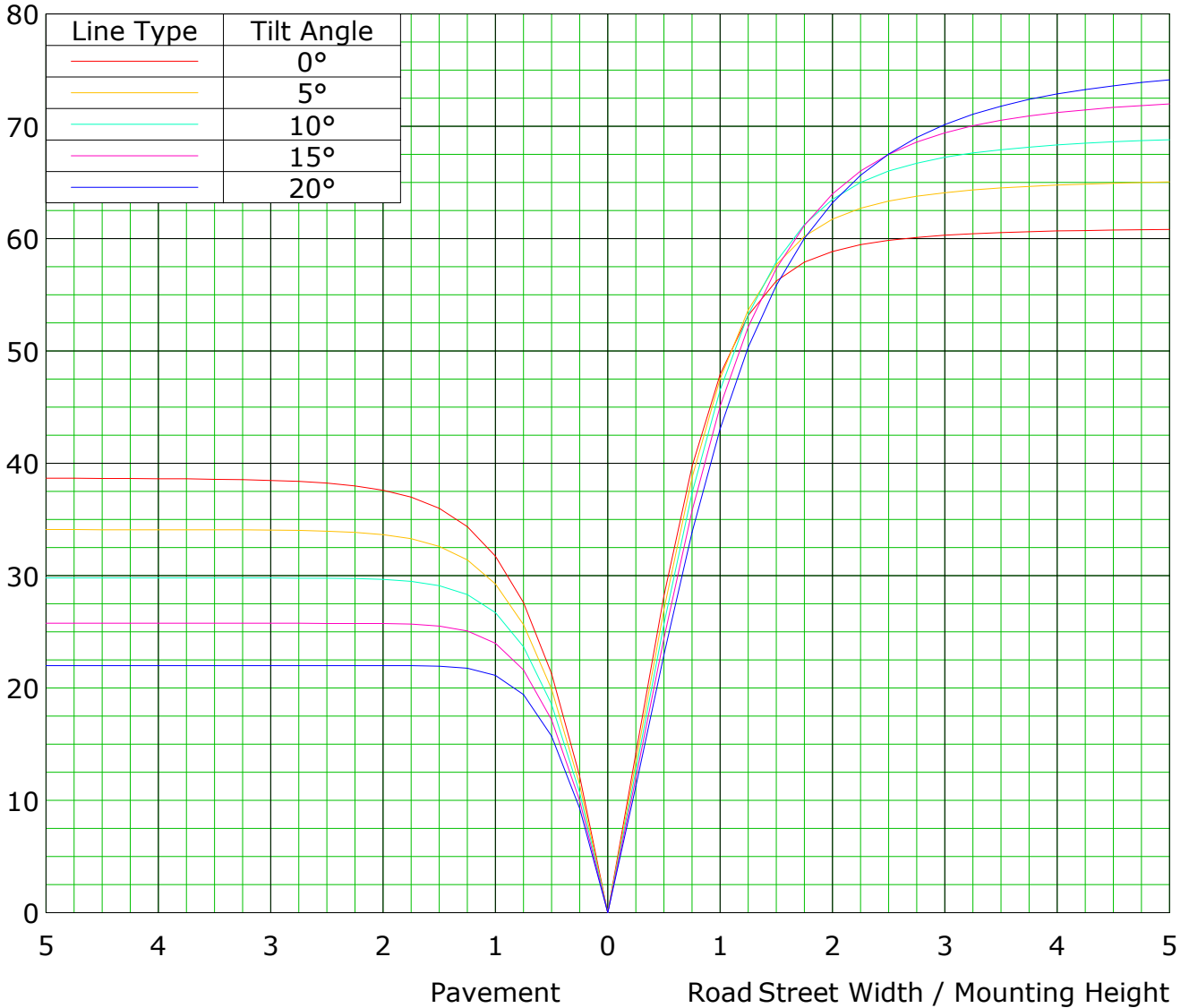
— (1%): 0.5 lx	— (2%): 1.0 lx
— (5%): 2.4 lx	— (10%): 4.9 lx
— (20%): 9.7 lx	— (50%): 24.4 lx
— (100%): 48.7 lx	

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.8 °C
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
Distance: 16.601 m [K=1.0000]
Humidity:
Inspector:

Roadway CU Curve

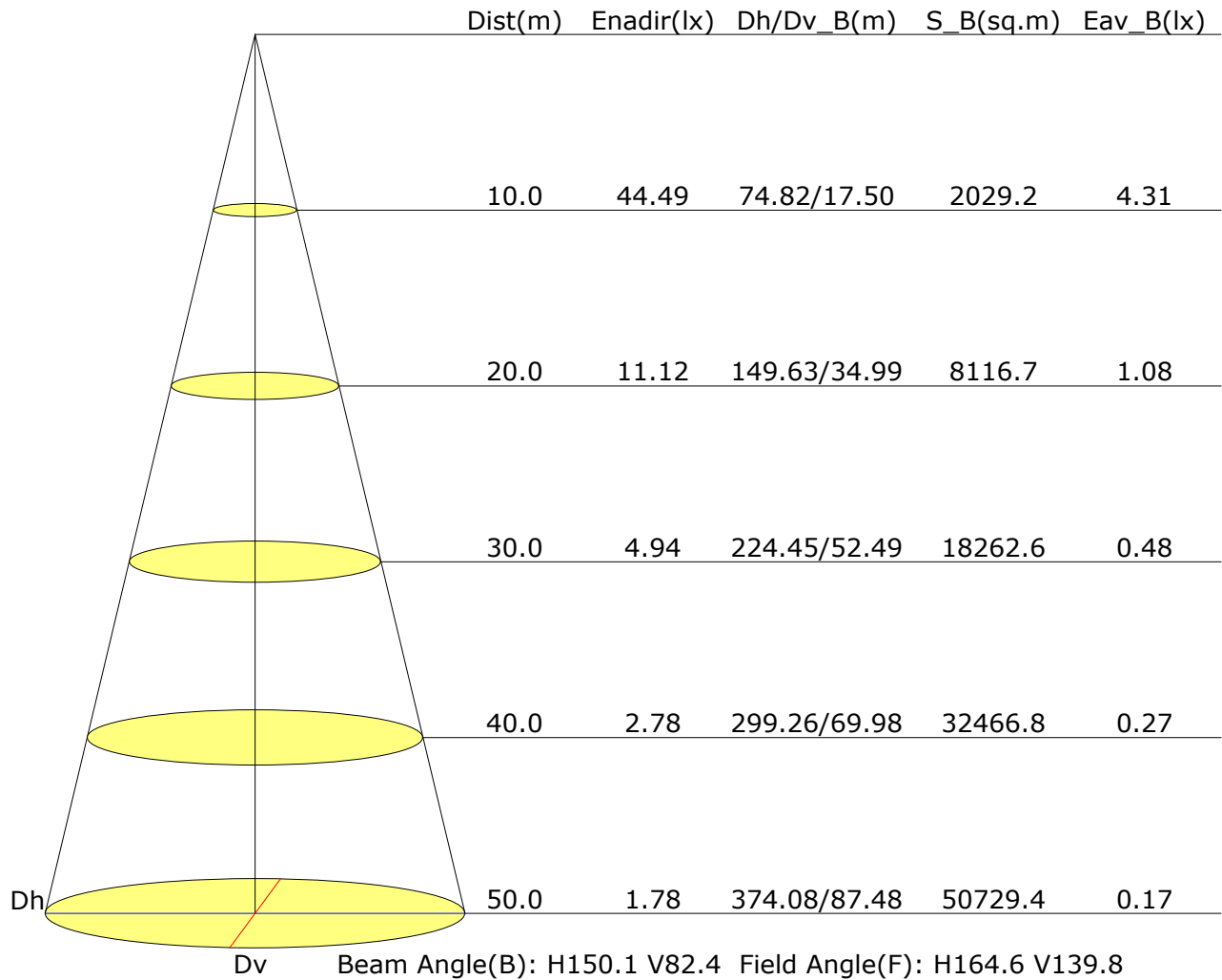
Efficiency(%)



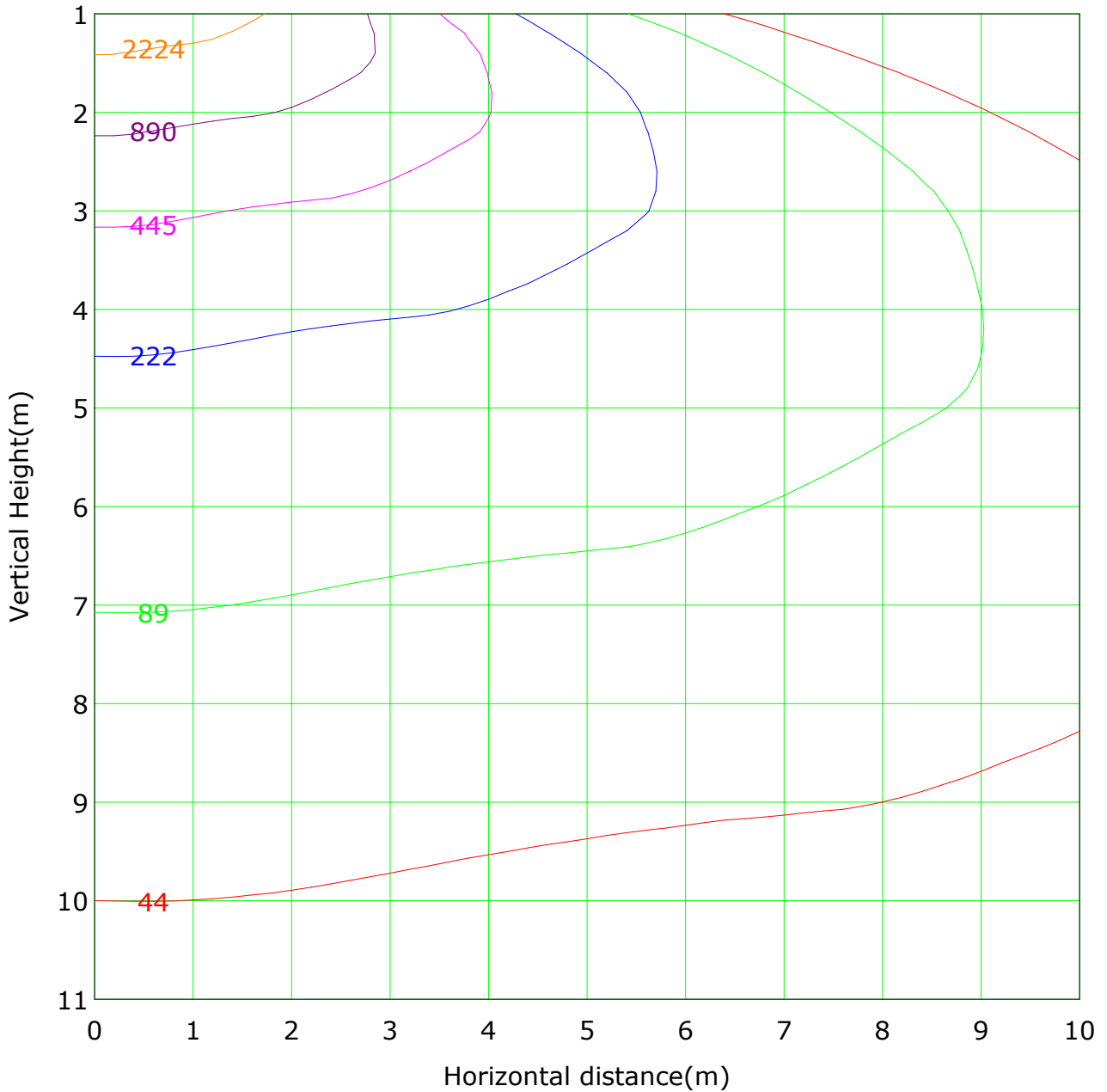
C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.8 'C
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
Distance: 16.601 m [K=1.0000]
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4448.5 lx

— (1%): 44.5 lx	— (2%): 89.0 lx
— (5%): 222.4 lx	— (10%): 444.9 lx
— (20%): 889.7 lx	— (50%): 2224.3 lx
— (100%): 4448.5 lx	

Area Flux Table

Unit: lm

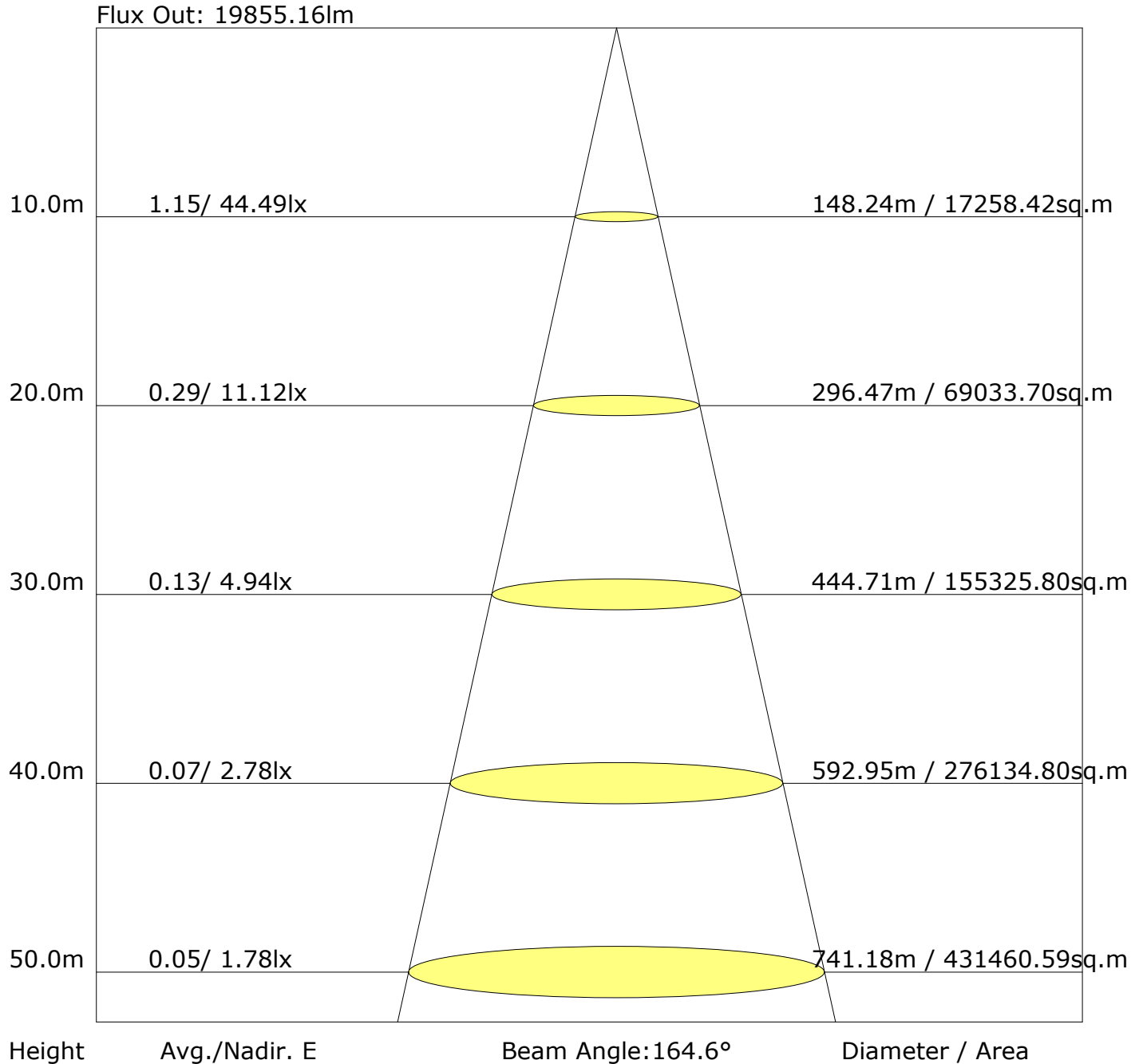
		Vertical plane																			
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
Flux(E)	2.8	253.4899	81279.7339	7339.7383	0391.2438	7471.2481	6466.5441	7458.3502	8406.9935	9332.614.0	19499										
Flux(T)	10.6	266.9914	01297.5362	6411.7426	4474.1507	0517.2504	2479.3492	4530.1426	2951.1345	323.3199	40										
Flux(T)	90	0.0	0.4	1.1	1.9	1.7	1.8	2.0	2.2	2.1	2.2	2.2	2.1	1.9	1.8	1.6	1.2	0.5	0.1	26.8	0.0
Flux(T)	80	0.1	2.0	9.0	17.5	12.7	10.1	9.5	11.0	11.4	11.4	11.1	9.7	8.1	8.1	9.8	7.8	2.8	0.2	152.1	25.5
Flux(T)	70	0.2	7.0	29.7	57.8	47.8	37.2	25.4	28.0	29.0	28.8	27.3	23.5	22.1	26.5	32.5	23.3	8.6	0.4	455.2	365.1
Flux(T)	60	0.4	13.6	55.9	96.8	98.4	99.6	84.3	83.3	81.1	78.9	75.8	69.2	72.4	79.9	76.8	44.4	16.0	0.9	1127.6	124.9
Flux(T)	50	0.7	20.5	79.3	116.7	133.1	146.2	146.6	148.7	147.8	146.4	143.6	138.1	136.1	128.6	117.0	66.1	23.2	1.4	1840.1	1838.3
Flux(T)	40	1.0	26.7	95.3	132.3	152.3	165.8	171.8	174.5	175.5	175.7	174.8	171.7	167.3	154.8	135.8	83.4	29.8	2.0	2190.2	188.8
Flux(T)	30	1.3	30.9	101.2	139.9	153.8	168.4	172.3	174.9	177.1	178.9	180.2	180.2	179.9	169.4	150.7	96.8	35.5	2.4	2293.2	292.7
Flux(T)	20	1.4	33.0	100.5	132.9	142.0	150.1	154.2	157.7	161.5	164.7	166.8	169.8	172.5	169.3	151.6	105.5	40.0	2.8	2176.2	175.0
Flux(T)	10	1.4	33.0	97.7	123.6	127.2	129.8	131.1	136.0	140.6	144.2	145.2	146.3	151.6	154.3	144.5	110.2	43.1	2.9	1962.8	961.5
Flux(T)	0	1.3	30.6	91.4	114.8	114.8	114.7	116.4	120.8	124.7	124.9	123.9	124.4	130.6	138.9	136.4	106.6	41.8	2.8	1759.2	757.9
Flux(T)	-10	1.1	26.1	81.5	106.1	103.1	100.8	101.6	105.2	108.8	109.5	108.5	109.1	115.0	125.9	128.4	94.8	36.1	2.4	1563.8	562.5
Flux(T)	-20	0.8	20.0	69.1	95.9	89.6	85.2	86.4	91.1	94.6	95.0	93.7	93.8	100.9	114.2	118.7	80.0	28.7	1.9	1359.6	357.9
Flux(T)	-30	0.5	13.1	52.8	77.7	75.1	72.5	75.4	80.7	83.4	84.1	82.8	80.9	86.4	103.4	101.1	62.1	20.2	1.4	1153.4	150.9
Flux(T)	-40	0.3	6.6	32.0	51.3	59.7	60.2	65.5	69.8	72.2	73.0	72.2	70.1	69.9	85.2	73.2	41.8	11.6	0.9	915.5	910.3
Flux(T)	-50	0.1	2.4	13.0	23.6	35.9	43.9	50.9	54.4	57.1	58.1	57.1	54.6	49.8	50.0	36.6	19.5	5.0	0.5	612.5	598.5
Flux(T)	-60	0.1	0.8	3.4	7.1	13.3	21.1	27.7	30.6	34.0	34.8	32.6	29.1	22.7	16.0	9.0	5.7	1.7	0.2	289.9	189.7
Flux(T)	-70	0.0	0.3	0.9	1.6	2.6	4.2	5.5	5.4	6.1	6.5	6.5	6.4	5.0	3.3	2.2	1.4	0.5	0.1	58.5	0.0
Flux(T)	-80	0.0	0.0	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.3	0.1	0.1	2.3	0.0
Flux(T)	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Horizontal plane

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18.8 °C
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
Distance: 16.601 m [K=1.0000]
Humidity:
Inspector:

The Average Illuminance Effective Figure

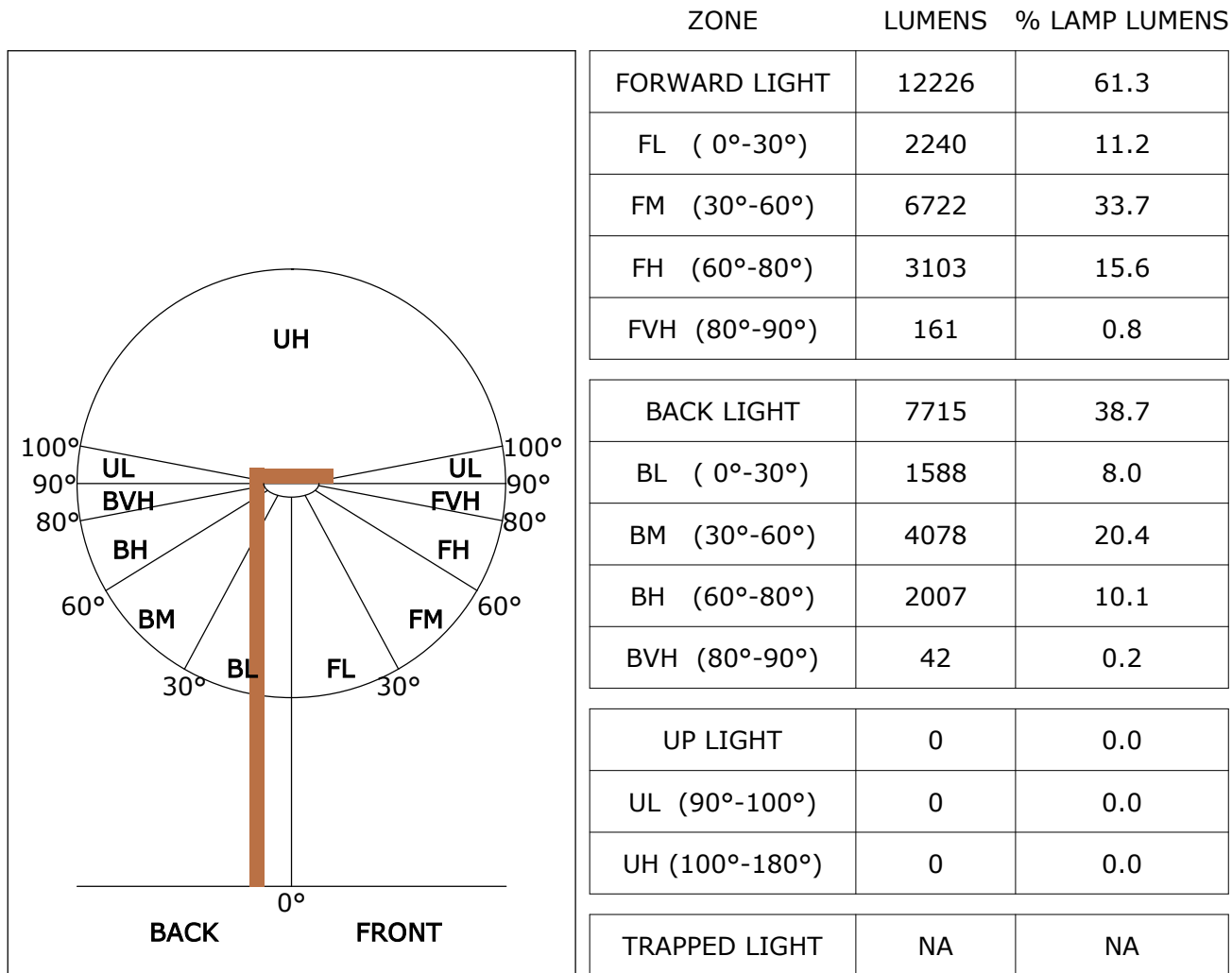


UGR Table

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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 19941Im ($8\log(F/F_0) = 10.4$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U5 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U5 G2

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
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Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-3000
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Inspector:

