

Report No.: 1

Test Time: 2017-01-17 08:53

Luminaire Property

Luminaire Category: 0409.WB.U241.6
Luminaire Description: 60082
Length (mm): 156
Height (mm): 2
Current: 0.057 A
Power Factor: 0.976

Luminaire Manufacturer: Brasled
Width (mm): 156
Voltage: 230.2 V
Power: 12.84 W

Photometric Results

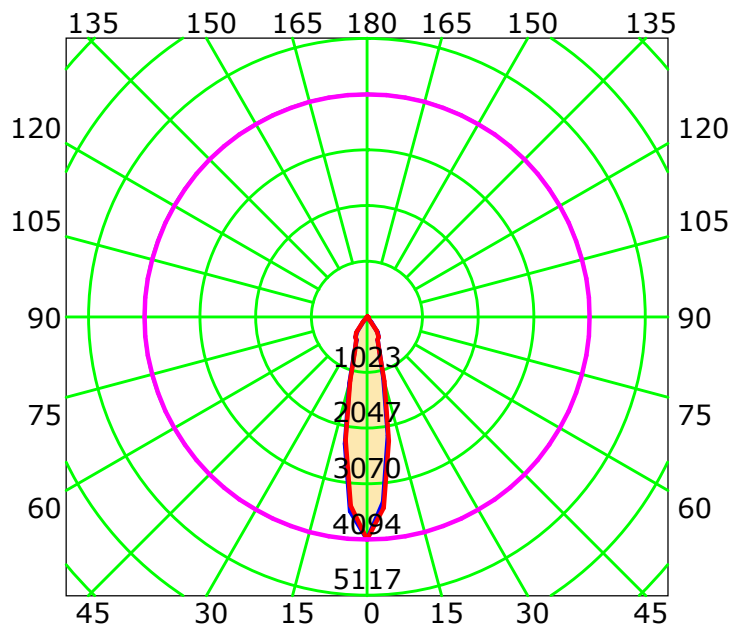
CIE Class: Direct
Measurement Flux: 1106 lm
Downward Ratio: 100%
Field Angle: H62.4 V62.3
Luminaire Efficacy Rating (LER): 86
Max. Intensity: 4094.06 cd

Total Rated Lamp Lumens: 1106.0 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H22.2 V22.4
Central Intensity: 4094.05 cd
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



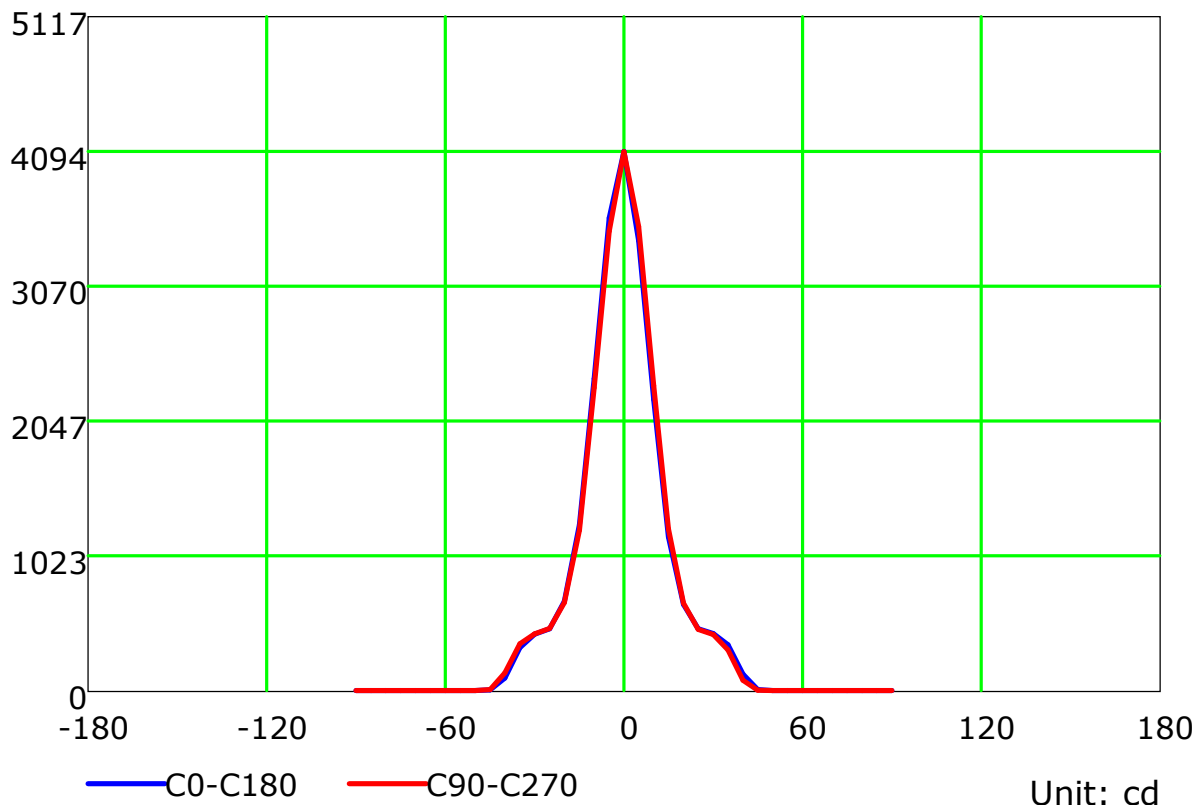
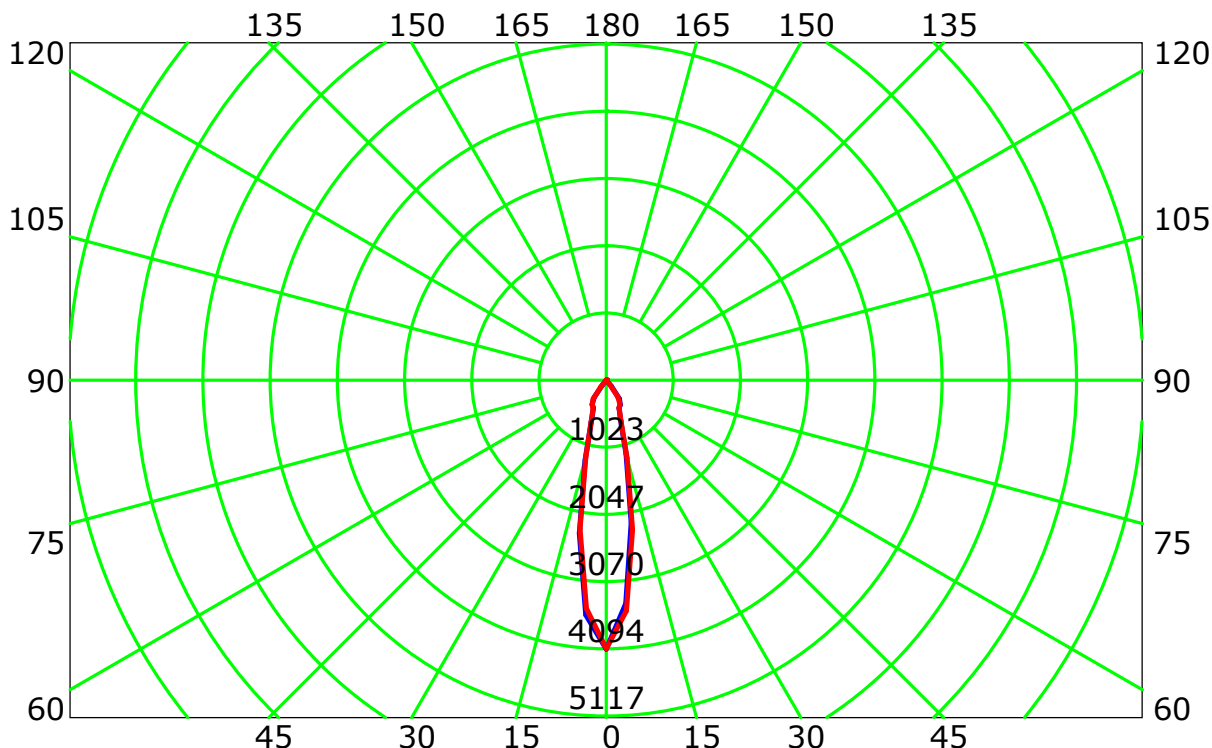
Average Diffuse Angle(50%): 22.3°

— C0-C180 — C90-C270 — G0

C Plane (°):0.0-360.0: 90.0
Test Lab: Brasled
Test Type: TYPE C
Temperature: 26
Operator:

Gamma Plane (°):0.0-90.0:5.0
Test Device: LSG-1200A
Distance: 1.0 m
Humidity: 60
Inspector:

Luminous Intensity Distribution Curve



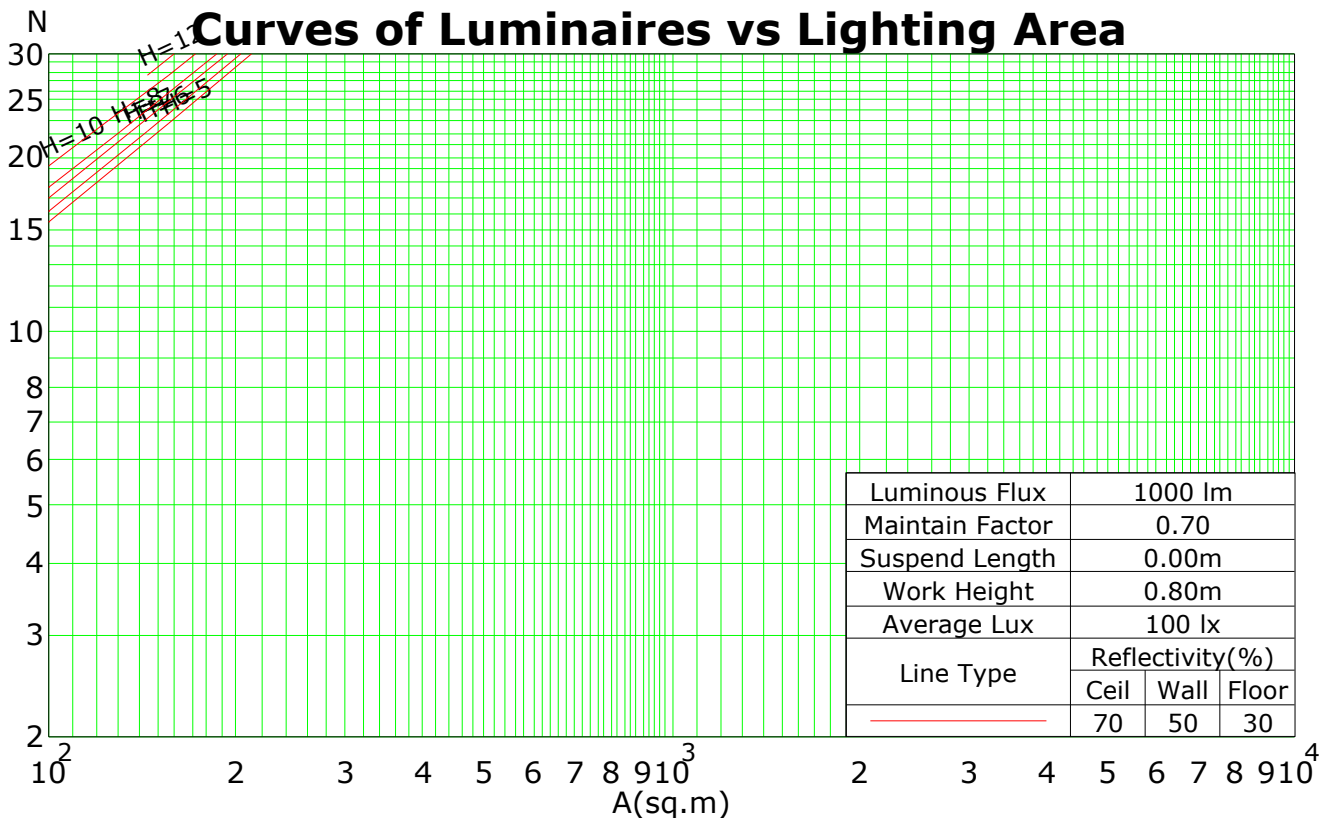
C Plane (°): 0.0-360.0: 90.0
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°): 0.0-90.0: 5.0
 Test Device: LSG-1200A
 Distance: 1.0 m
 Humidity: 60
 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	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64

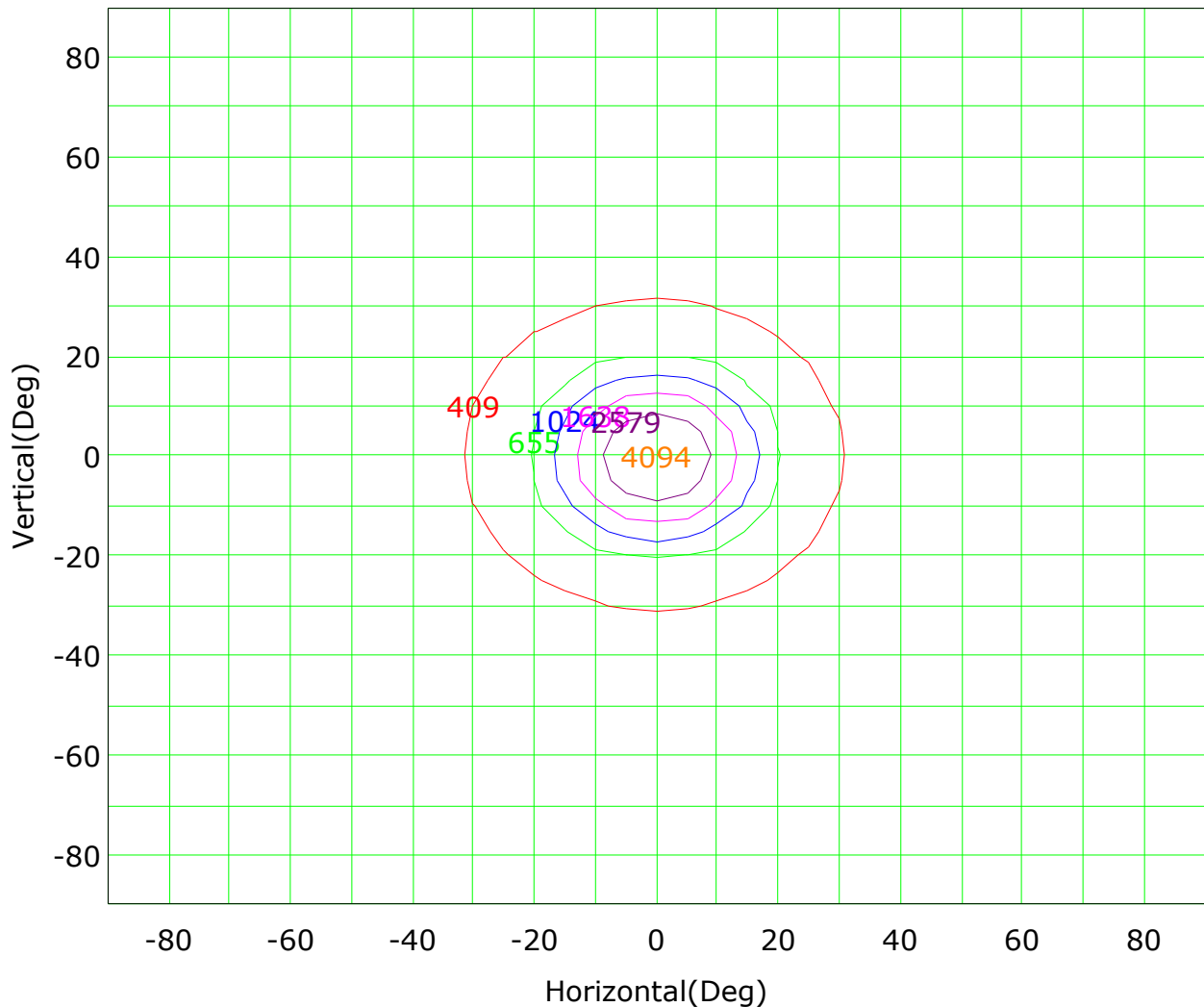
Spacing Criteria (0-180): 0.38
 Spacing Criteria (90-270): 0.38
 Spacing Criteria (Diagonal): 0.40



C Plane (°):0.0-360.0: 90.0
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°):0.0-90.0:5.0
 Test Device: LSG-1200A
 Distance: 1.0 m
 Humidity: 60
 Inspector:

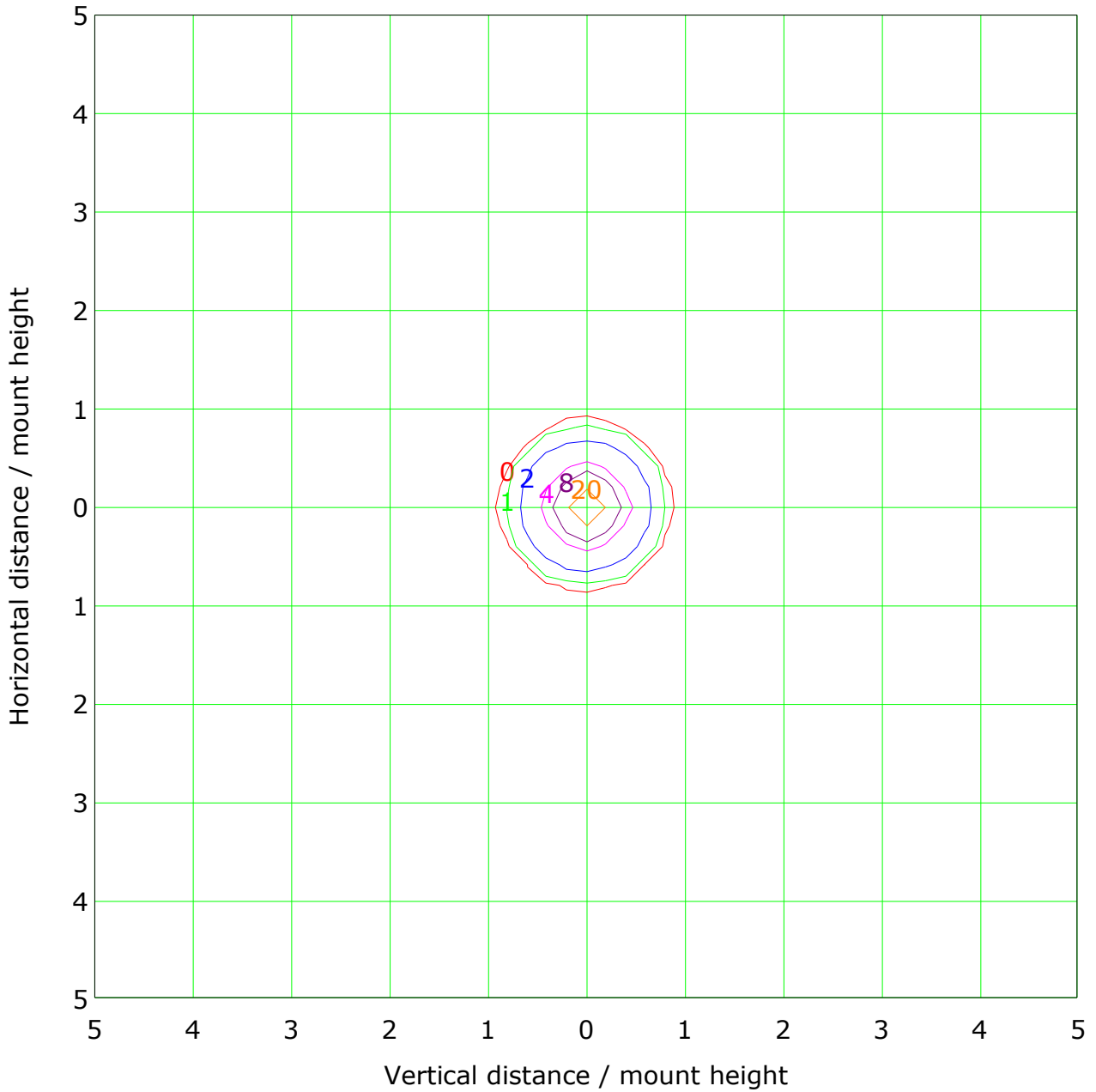
Isocandela (rectangle)



Imax (100%): 4094 cd

— (10%): 409 cd	— (16%): 655 cd
— (25%): 1024 cd	— (40%): 1638 cd
— (63%): 2579 cd	— (100%): 4094 cd

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 40.9 lx	
— (1%):	0.4 lx	— (2%):	0.8 lx
— (5%):	2.0 lx	— (10%):	4.1 lx
— (20%):	8.2 lx	— (50%):	20.5 lx
— (100%):	40.9 lx		

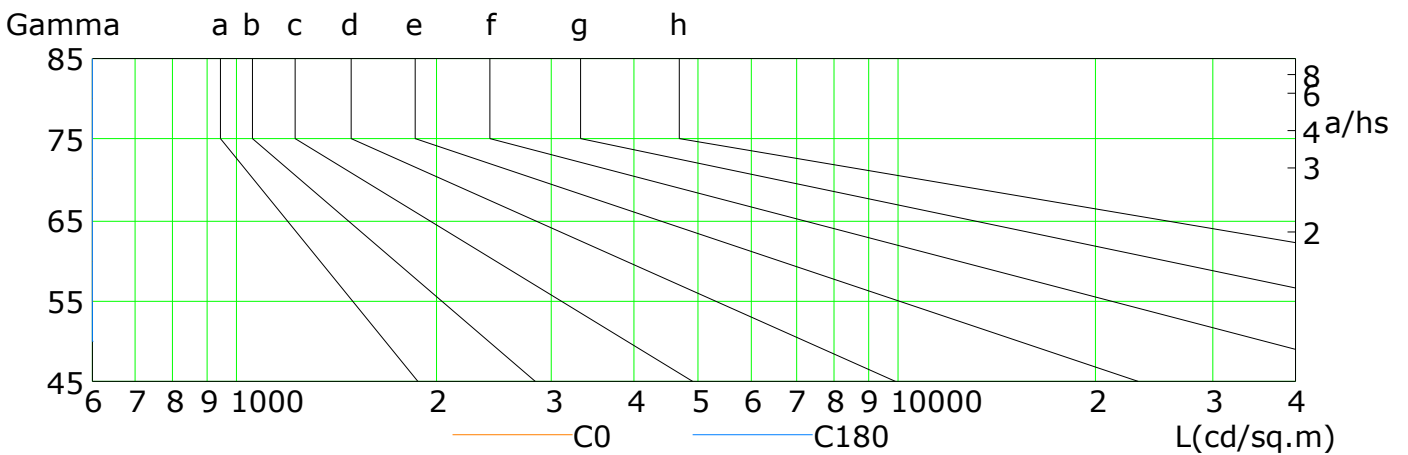
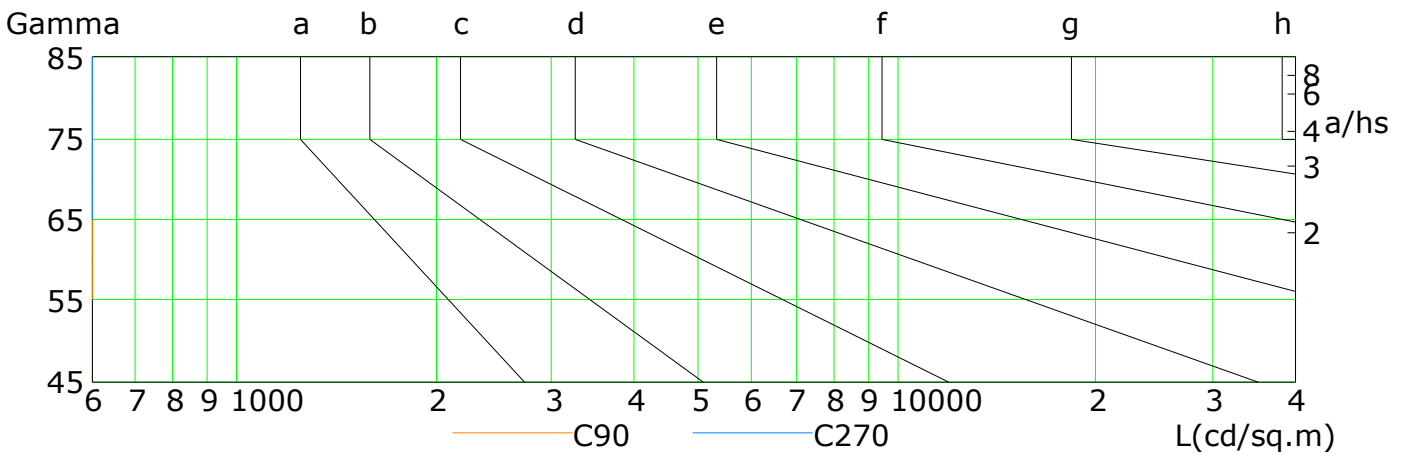
C Plane (°):0.0-360.0: 90.0
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°):0.0-90.0:5.0
 Test Device: LSG-1200A
 Distance: 1.0 m
 Humidity: 60
 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

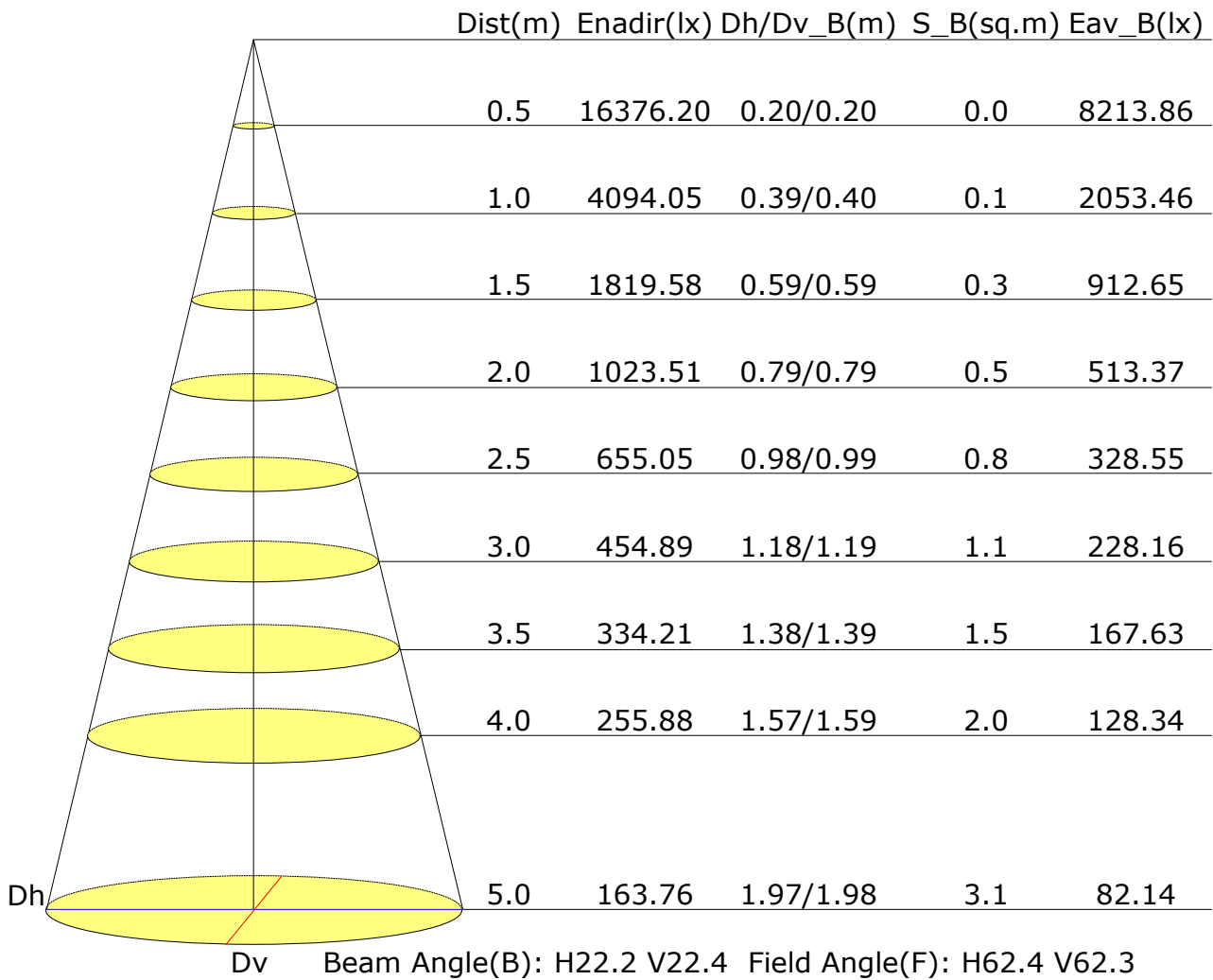


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	485	44	0	0	0	0	0	0	0
C90	243	44	0	0	0	0	0	0	0
C180	384	0	0	0	0	0	0	0	0
C270	485	44	0	28	0	0	0	0	0

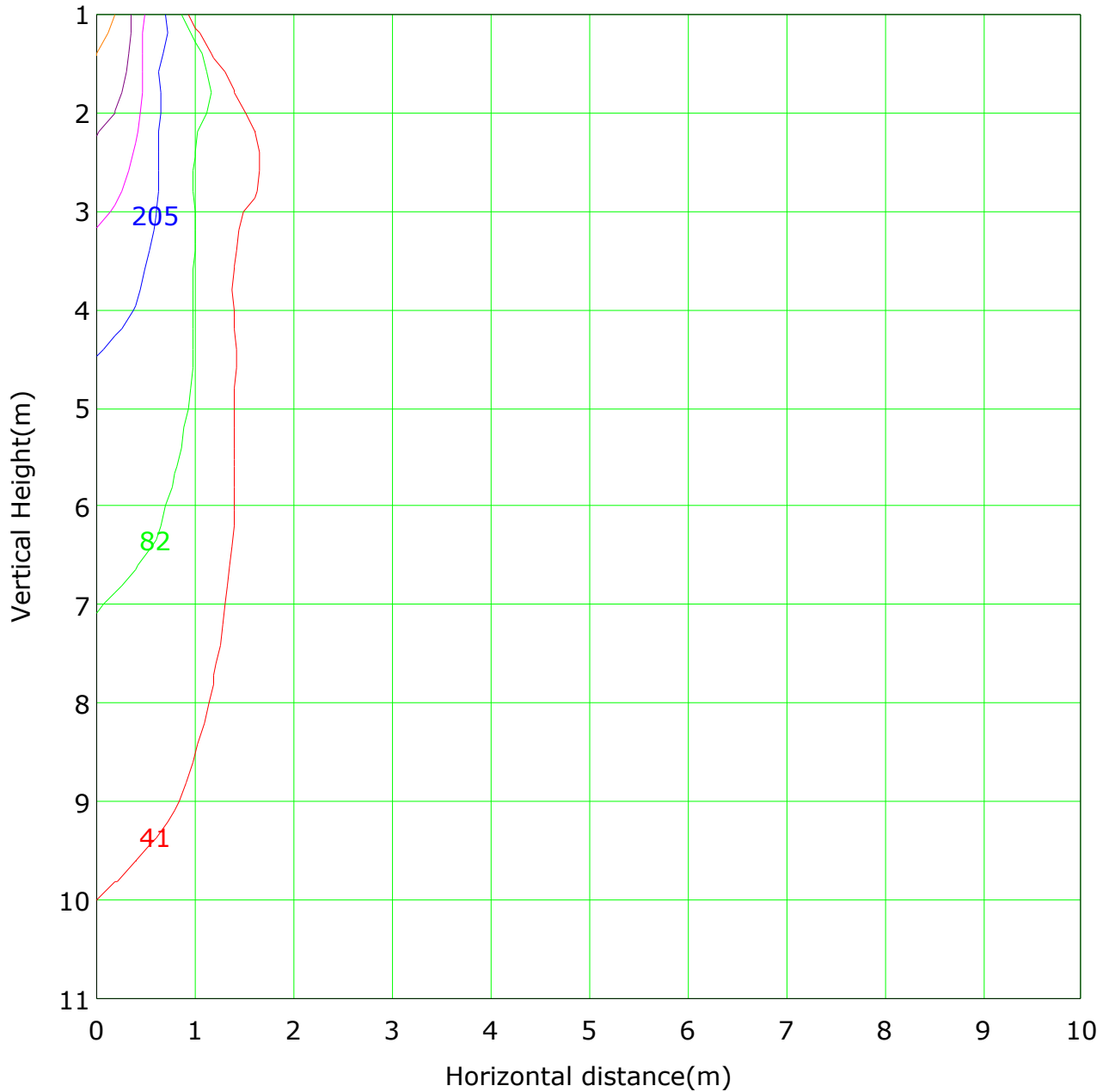
C Plane (°): 0.0-360.0: 90.0
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°): 0.0-90.0: 5.0
 Test Device: LSG-1200A
 Distance: 1.0 m
 Humidity: 60
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

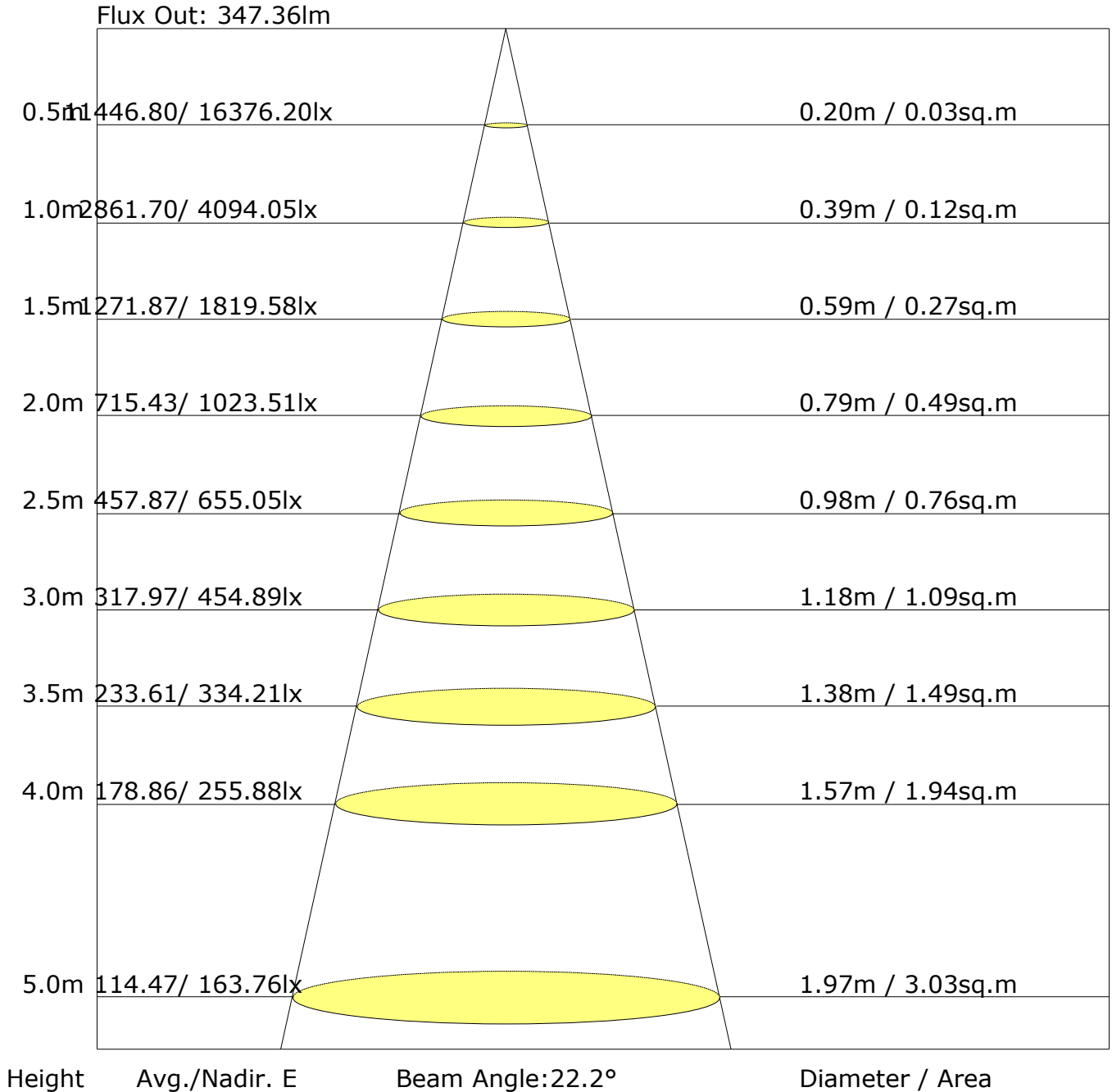


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4094.1 lx
 — (1%): 40.9 lx — (2%): 81.9 lx
 — (5%): 204.7 lx — (10%): 409.4 lx
 — (20%): 818.8 lx — (50%): 2047.0 lx
 — (100%): 4094.1 lx

C Plane (°): 0.0-360.0: 90.0
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°): 0.0-90.0: 5.0
 Test Device: LSG-1200A
 Distance: 1.0 m
 Humidity: 60
 Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 90.0
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°): 0.0-90.0: 5.0
 Test Device: LSG-1200A
 Distance: 1.0 m
 Humidity: 60
 Inspector: