

Report No.:

Test Time: 2020-08-21 14:47

Luminaire Property

Luminaire Manufacturer: Brilliance.led.Ilc
Luminaire Description: Light Bar L 2700K
Current: 0.235 A
Power Factor: 1.000

Voltage: 12.0 V
Power: 2.81 W

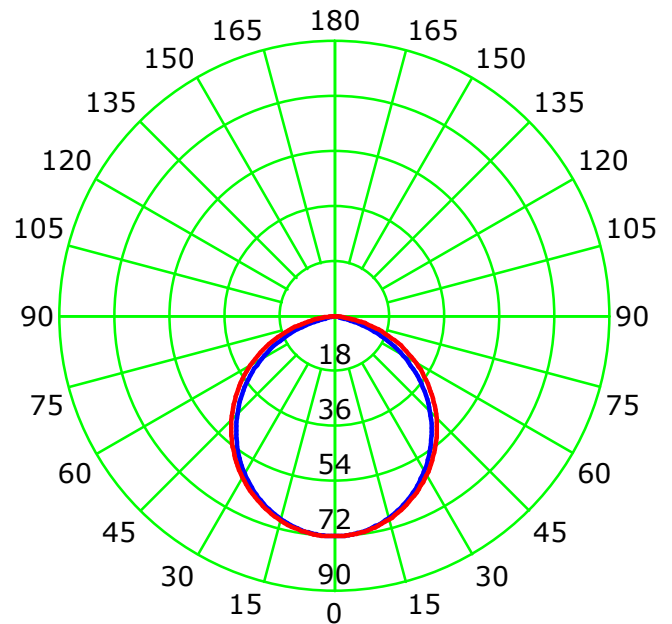
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 192.7 lm
Measurement Flux: 192.7 lm	Efficiency: 100%
Downward Ratio: 100%	Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 148.2, 160.1, 153.6, 153.7	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 105.2, 111.8, 108.1, 108.1	
Luminaire Efficacy Rating (LER): 68.61	Central Intensity: 72.77 cd
Max. Intensity: 72.79 cd	Pos of Max. Intensity: H315 V1
S/MH(C0/C180): 1.22	S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



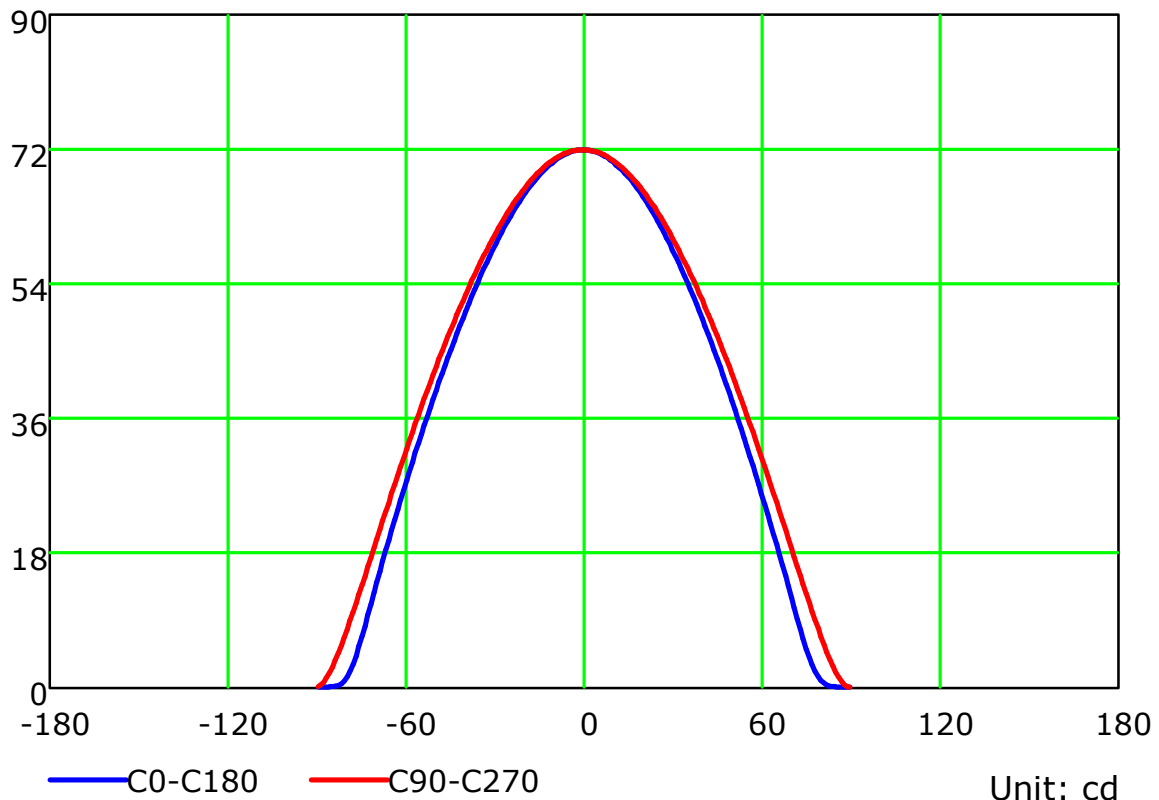
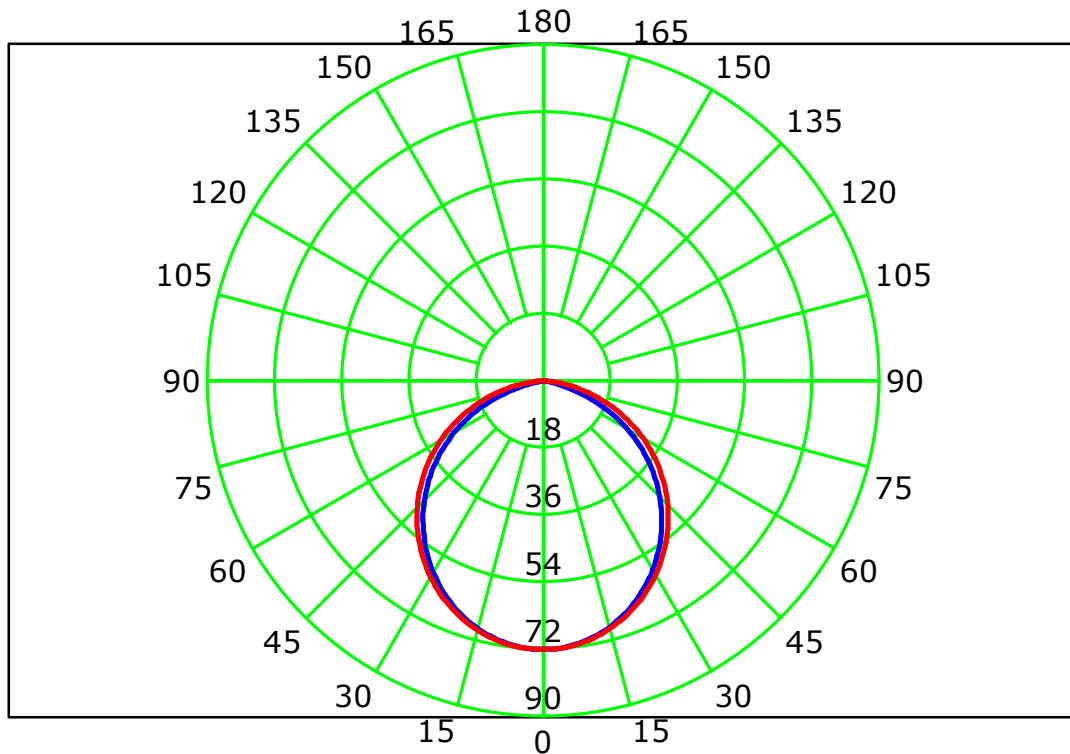
Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Brilliance.led.Ilc

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve

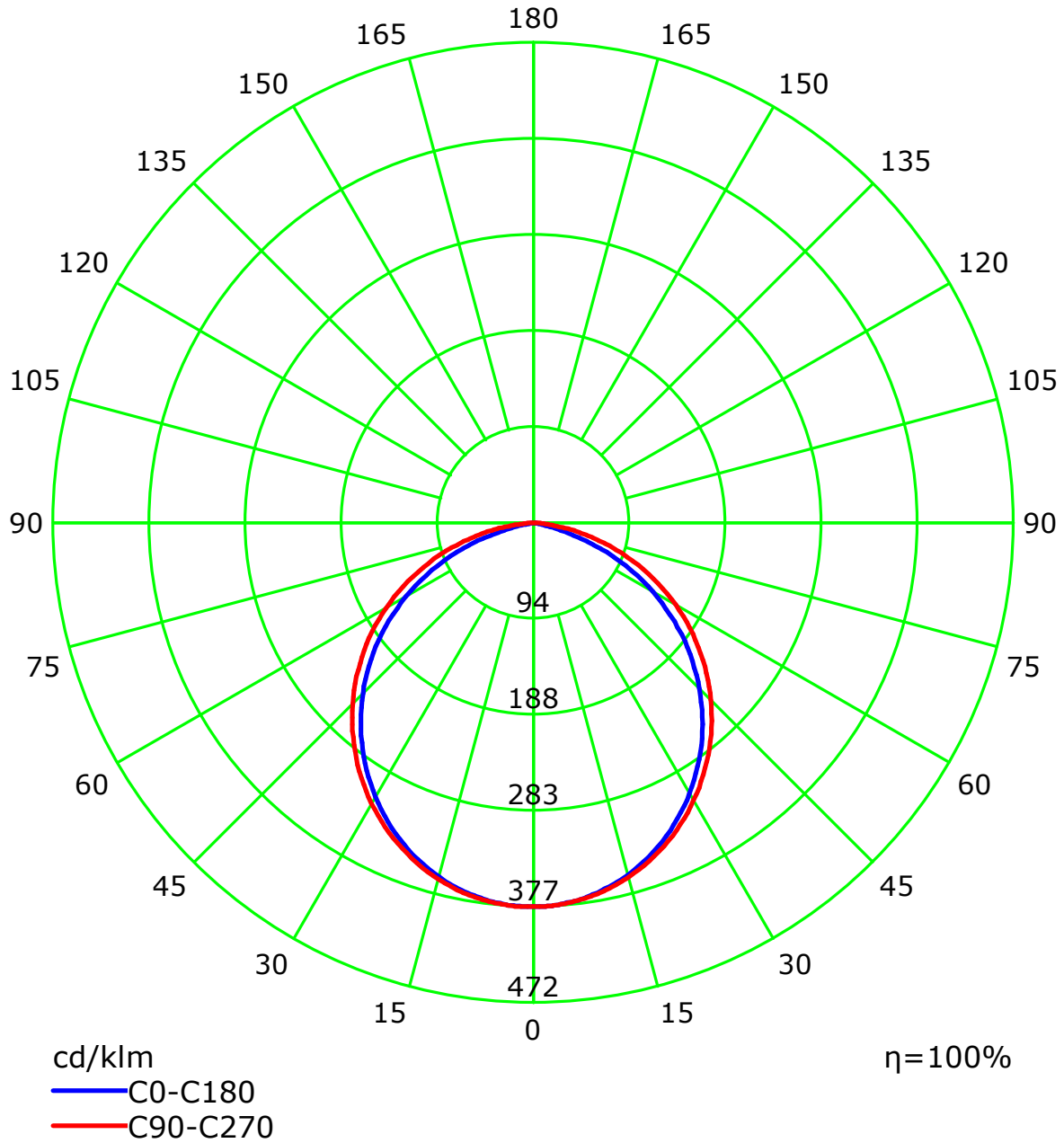


Unit: cd

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Brilliance.led.IIc

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Brilliance.led.llc

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

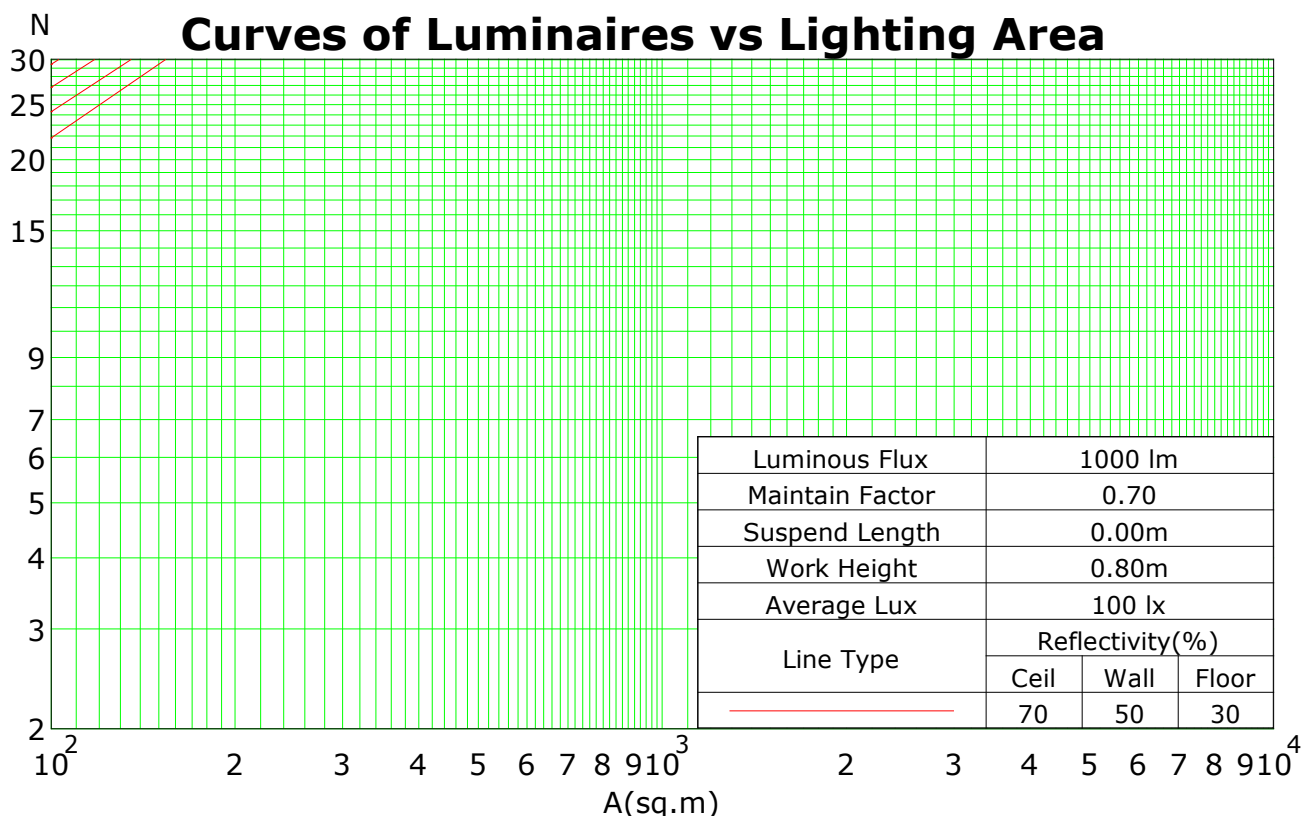
Coefficients Of Utilization - Zonal Cavity Method

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	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	59	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	32	27	26

Spacing Criteria (0-180): 1.22

Spacing Criteria (90-270): 1.25

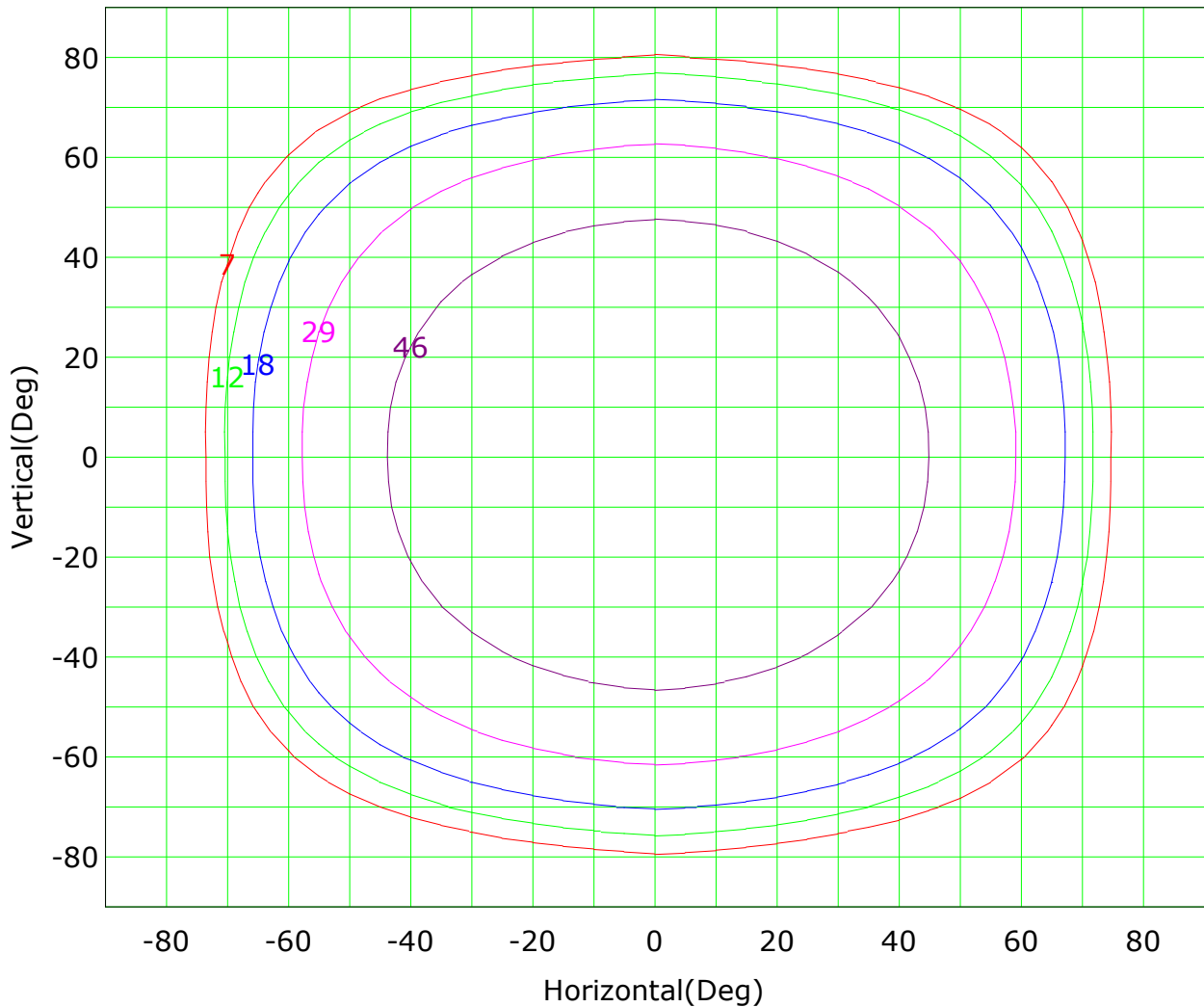
Spacing Criteria (Diagonal): 1.35



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Brilliance.led.llc

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Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

Isocandela (rectangle)



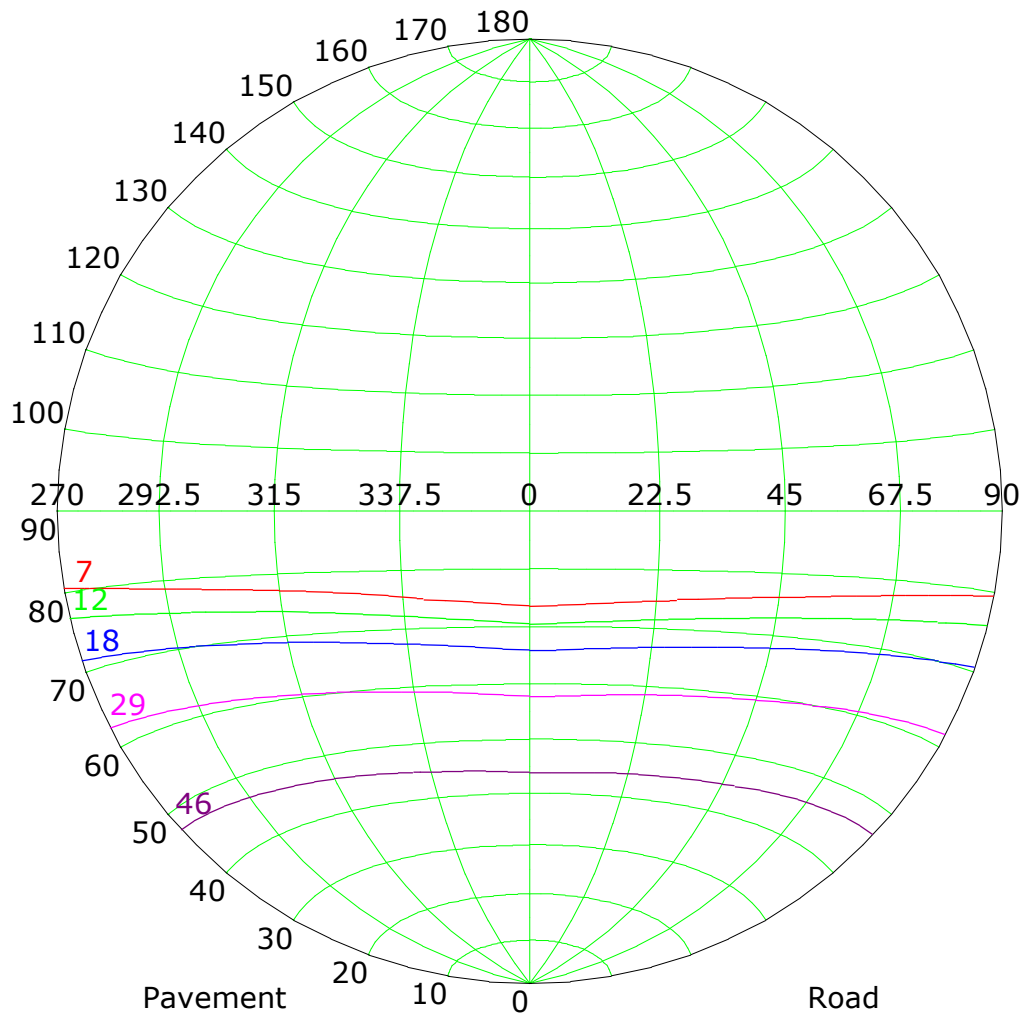
Imax (100%): 73 cd

(10%):	7 cd	(16%):	12 cd
(25%):	18 cd	(40%):	29 cd
(63%):	46 cd	(100%):	73 cd

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Brilliance.led.IIc

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

Isocandela (sphere)



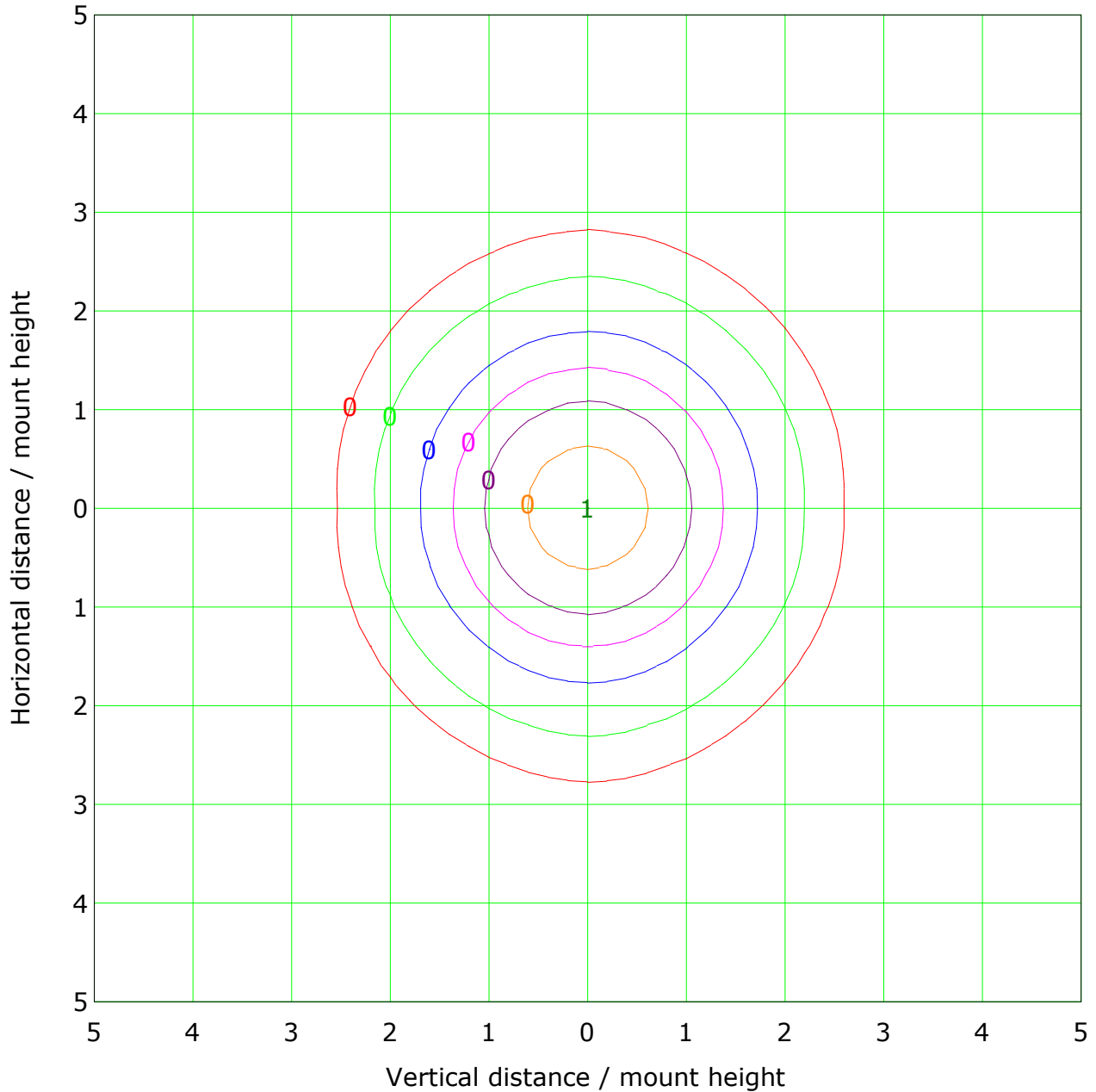
Imax (100%): 73 cd

(10%):	7 cd	(16%):	12 cd
(25%):	18 cd	(40%):	29 cd
(63%):	46 cd	(100%):	73 cd

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
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Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 0.7 lx

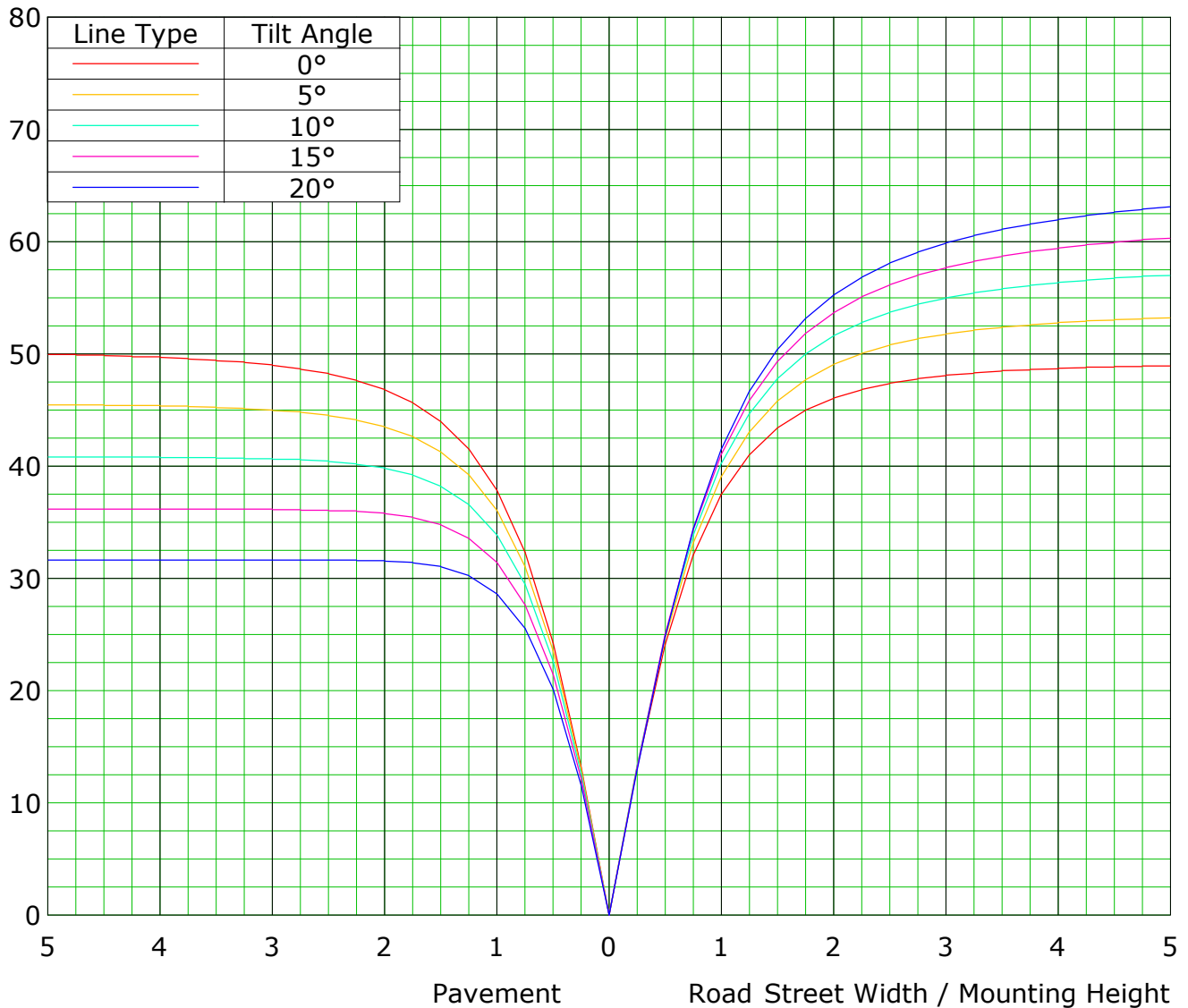
(1%): 0.0 lx	(2%): 0.0 lx
(5%): 0.0 lx	(10%): 0.1 lx
(20%): 0.1 lx	(50%): 0.4 lx
(100%): 0.7 lx	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Brilliance.led.IIc

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)

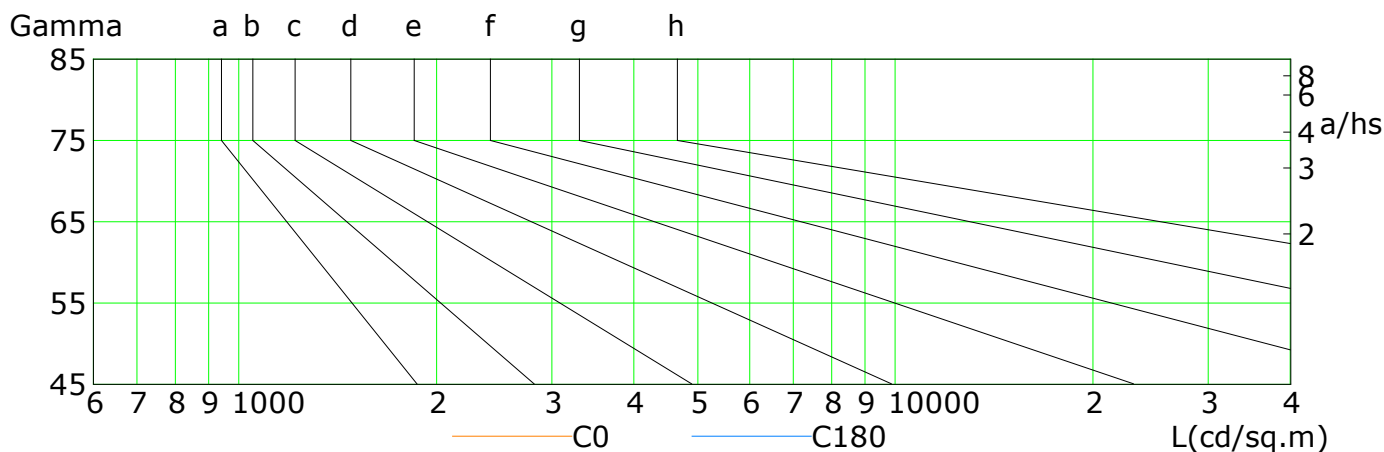
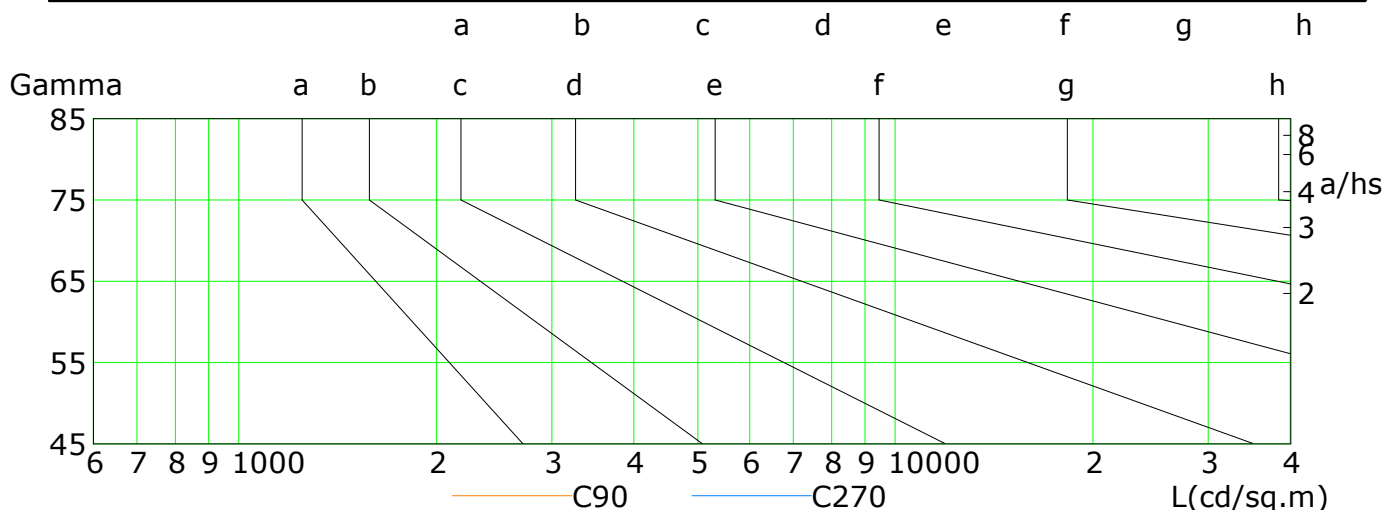


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Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

Lum Limit Curve

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

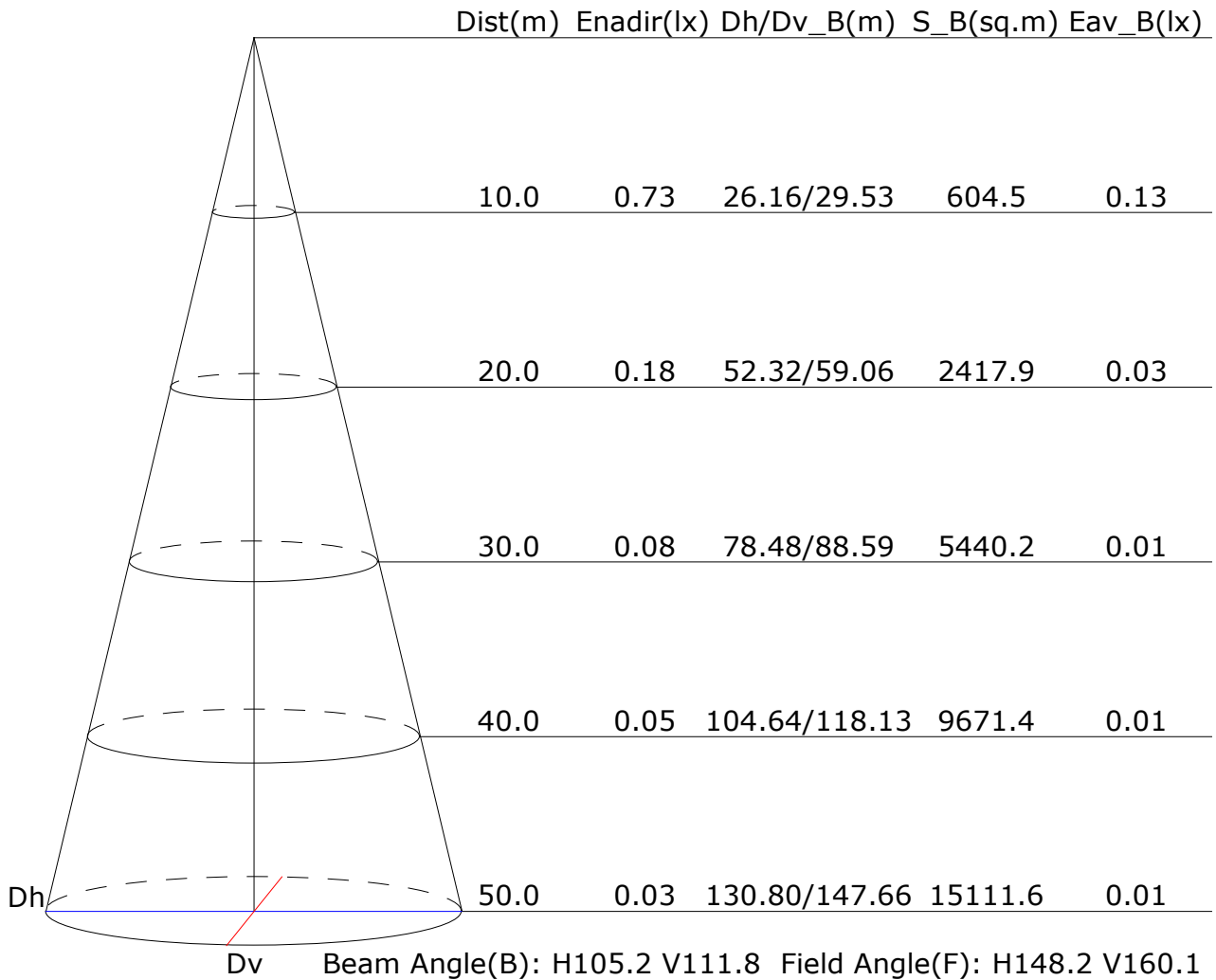


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	45	39	33	26	19	12	5	1	0
C90	48	42	37	31	25	19	13	7	2
C180	46	40	34	28	21	14	7	1	0
C270	48	43	38	32	26	20	14	8	3

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Test Type: TYPE C
Temperature:
Operator: Brilliance.IIc

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Brilliance.led.IIc

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 8.549 m
Humidity:
Inspector: