

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P788807

Luminaire Tested: LER6D10D010-EC6DR150210IC9027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR150210IC9027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 950.0 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

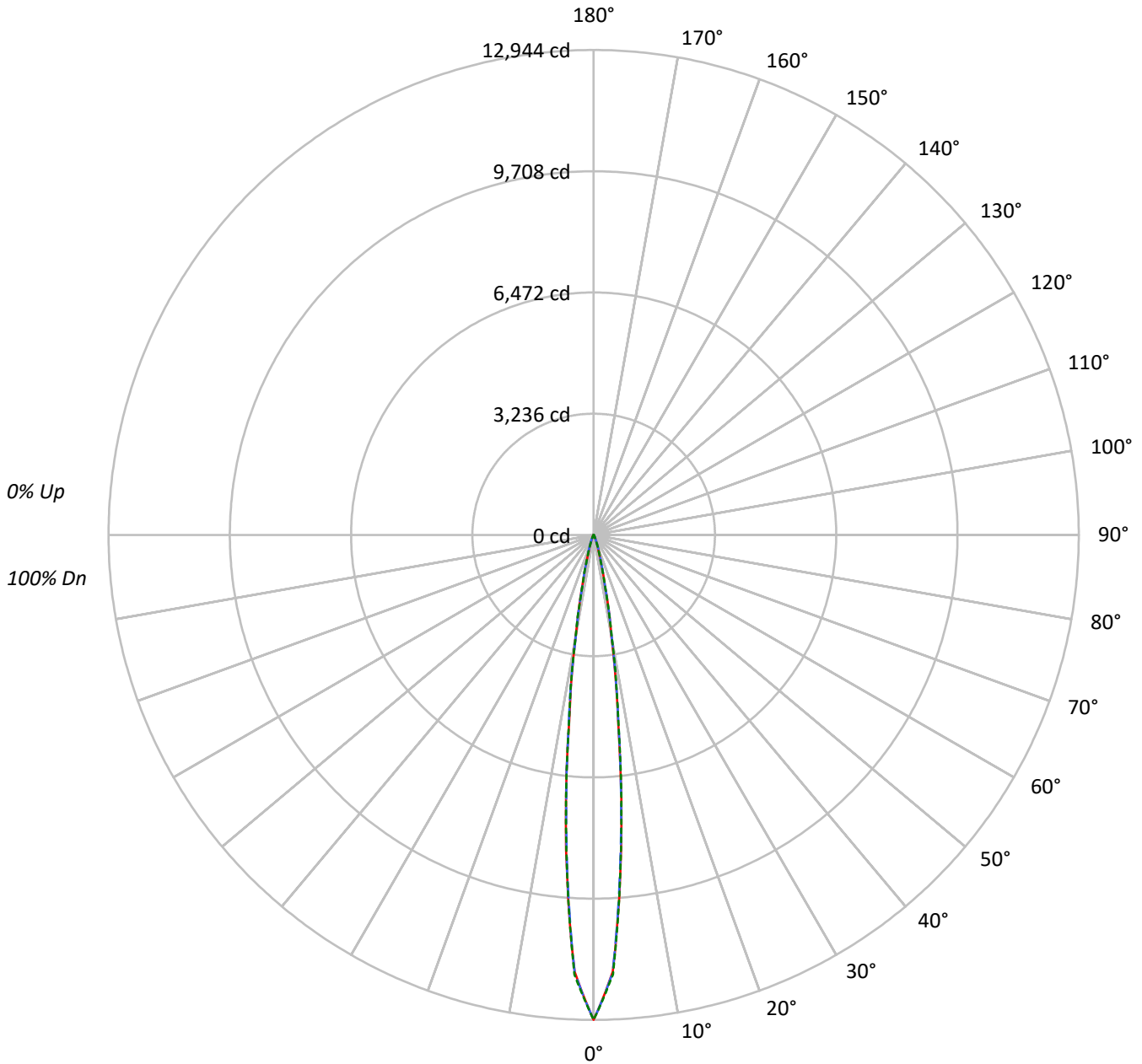


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1456424	1456424	1456424
5°	855868	844780	851467
10°	255439	257221	261159
15°	63536	64778	62771
20°	19007	22010	19417
25°	6699	8538	6785
30°	2464	3242	2501
35°	1235	1394	1191
40°	781	859	781
45°	574	616	574
50°	459	459	459
55°	383	383	383
60°	309	309	309
65°	236	236	236
70°	197	197	197
75°	121	121	166
80°	87	87	87
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 616 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.1	64.9
10°-20°	253.4	26.7
20°-30°	50.3	5.3
30°-40°	12.6	1.3
40°-50°	6.6	0.7
50°-60°	4.9	0.5
60°-70°	3.5	0.4
70°-80°	1.9	0.2
80°-90°	0.6	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	919.9	96.8
0°-40°	932.5	98.2
0°-60°	944.0	99.4
0°-90°	950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12944	12944	12944	12944	12944	
5°	8422	8335	8312	8370	8378	615
15°	732	745	746	733	723	251
25°	86	98	110	97	87	45
35°	17	18	19	18	16	12
45°	8	8	9	8	8	6
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12943.7	12943.7	12943.7	12943.7	12943.7
2.5°	11675.7	11685.6	11689.4	11700.9	11743.7
5°	8421.5	8334.9	8312.4	8369.9	8378.2
7.5°	4988.5	5006.1	5070.2	5084.4	5032.9
10°	2737.6	2760.0	2756.7	2776.5	2798.9
12.5°	1400.0	1382.5	1377.0	1399.5	1368.2
15°	731.5	745.2	745.8	732.6	722.7
17.5°	393.4	409.3	435.6	414.3	381.4
20°	232.3	246.6	269.0	251.5	237.3
22.5°	143.6	155.1	171.0	157.3	145.8
25°	86.0	97.5	109.6	97.0	87.1
27.5°	51.0	60.8	68.5	60.3	50.4
30°	32.9	38.4	43.3	37.8	33.4
32.5°	23.0	25.2	27.4	25.2	23.0
35°	17.0	18.1	19.2	18.1	16.4
37.5°	13.2	14.2	14.8	13.7	12.6
40°	11.0	11.5	12.1	11.5	11.0
42.5°	9.3	9.9	9.9	9.9	9.3
45°	8.2	8.2	8.8	8.2	8.2
47.5°	7.1	7.1	7.7	7.1	7.1
50°	6.6	6.6	6.6	6.6	6.6
52.5°	6.0	6.0	6.0	6.0	6.0
55°	5.5	5.5	5.5	5.5	5.5
57.5°	4.9	4.9	4.9	4.9	4.9
60°	4.4	4.4	4.4	4.4	4.4
62.5°	3.8	3.8	3.8	3.8	3.8
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	2.7	2.7	2.7	2.7	2.7
72.5°	2.2	2.2	2.2	2.2	2.2
75°	1.6	1.6	1.6	1.6	2.2
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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