

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



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: P790191

Luminaire Tested: LER6D20D010-EC6DR3020359030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR3020359030-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2631.4 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 23.1
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

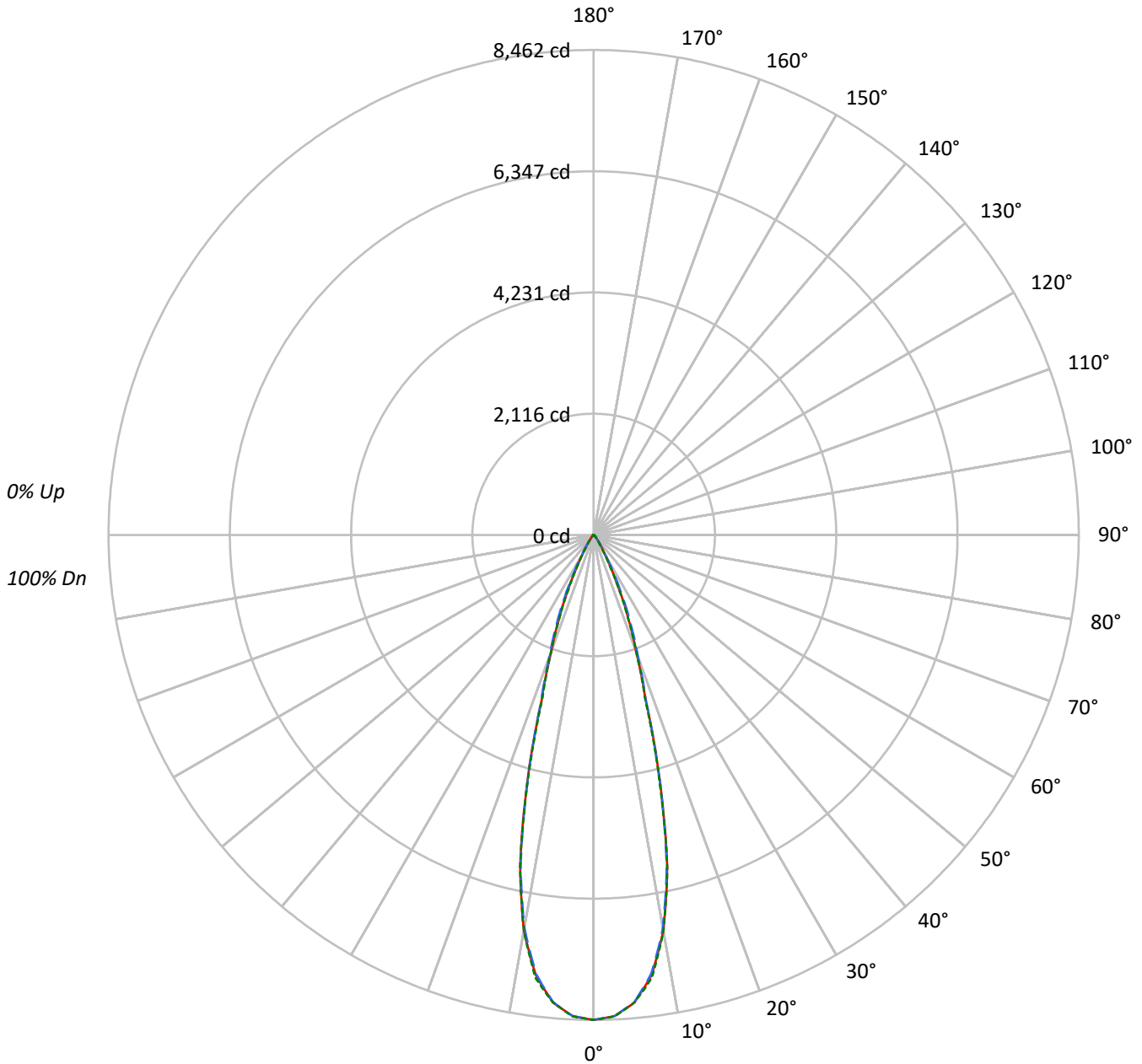


Downlight

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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	647672	647672	647672
5°	629078	628340	629108
10°	544878	541030	544746
15°	355502	353593	351818
20°	176775	183406	176539
25°	89051	100419	87226
30°	35654	38845	31067
35°	16539	15838	13278
40°	7144	7924	6725
45°	5034	6246	5077
50°	1727	4549	1834
55°	1001	1882	1054
60°	704	827	704
65°	453	453	453
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6246 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.1	28.3
10°-20°	1198.3	45.5
20°-30°	517.8	19.7
30°-40°	118.0	4.5
40°-50°	40.5	1.5
50°-60°	9.9	0.4
60°-70°	2.6	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	2460.2	93.5
0°-40°	2578.2	98.0
0°-60°	2628.6	99.9
0°-90°	2631.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2631.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8462	8462	8462	8462	8462	
5°	8187	8179	8178	8195	8188	745
15°	4486	4432	4462	4448	4440	1201
25°	1054	1094	1189	1066	1033	505
35°	177	181	170	168	142	120
45°	46	58	58	58	47	33
55°	8	8	14	8	8	7
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8461.5	8461.5	8461.5	8461.5	8461.5
2.5°	8405.4	8399.6	8402.9	8407.0	8408.7
5°	8187.3	8179.4	8177.7	8194.8	8187.7
7.5°	7747.3	7736.1	7719.1	7757.7	7793.9
10°	7010.4	6997.9	6960.9	6979.2	7008.7
12.5°	5922.4	5882.1	5881.2	5939.4	5931.5
15°	4486.2	4432.2	4462.1	4447.6	4439.7
17.5°	3016.9	2996.1	3036.0	3023.9	2972.0
20°	2170.2	2175.6	2251.6	2213.4	2167.3
22.5°	1583.6	1603.1	1693.3	1594.8	1558.7
25°	1054.4	1094.2	1189.0	1066.4	1032.8
27.5°	648.5	666.8	762.7	640.2	621.9
30°	403.4	394.2	439.5	377.2	351.5
32.5°	264.6	253.0	267.5	240.1	219.3
35°	177.0	180.7	169.5	168.2	142.1
37.5°	110.5	127.1	112.2	119.6	91.4
40°	71.5	92.2	79.3	87.7	67.3
42.5°	58.6	71.0	65.2	69.4	59.8
45°	46.5	57.7	57.7	57.7	46.9
47.5°	25.8	38.6	49.4	39.5	27.4
50°	14.5	19.5	38.2	20.4	15.4
52.5°	10.0	11.2	26.2	11.6	10.4
55°	7.5	7.9	14.1	8.3	7.9
57.5°	5.8	6.2	7.5	6.2	5.8
60°	4.6	4.6	5.4	5.0	4.6
62.5°	3.3	3.3	3.7	3.3	3.3
65°	2.5	2.5	2.5	2.5	2.5
67.5°	1.2	1.7	1.7	1.7	1.7
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





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

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(END OF REPORT)