

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: P791207

Luminaire Tested: LER6D30D010-EC6DR1515309035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791207
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: LER6D30D010-EC6DR1515309035-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3175.5 lumens
Efficiency: N/A
Efficacy: 109.5 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): 29
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

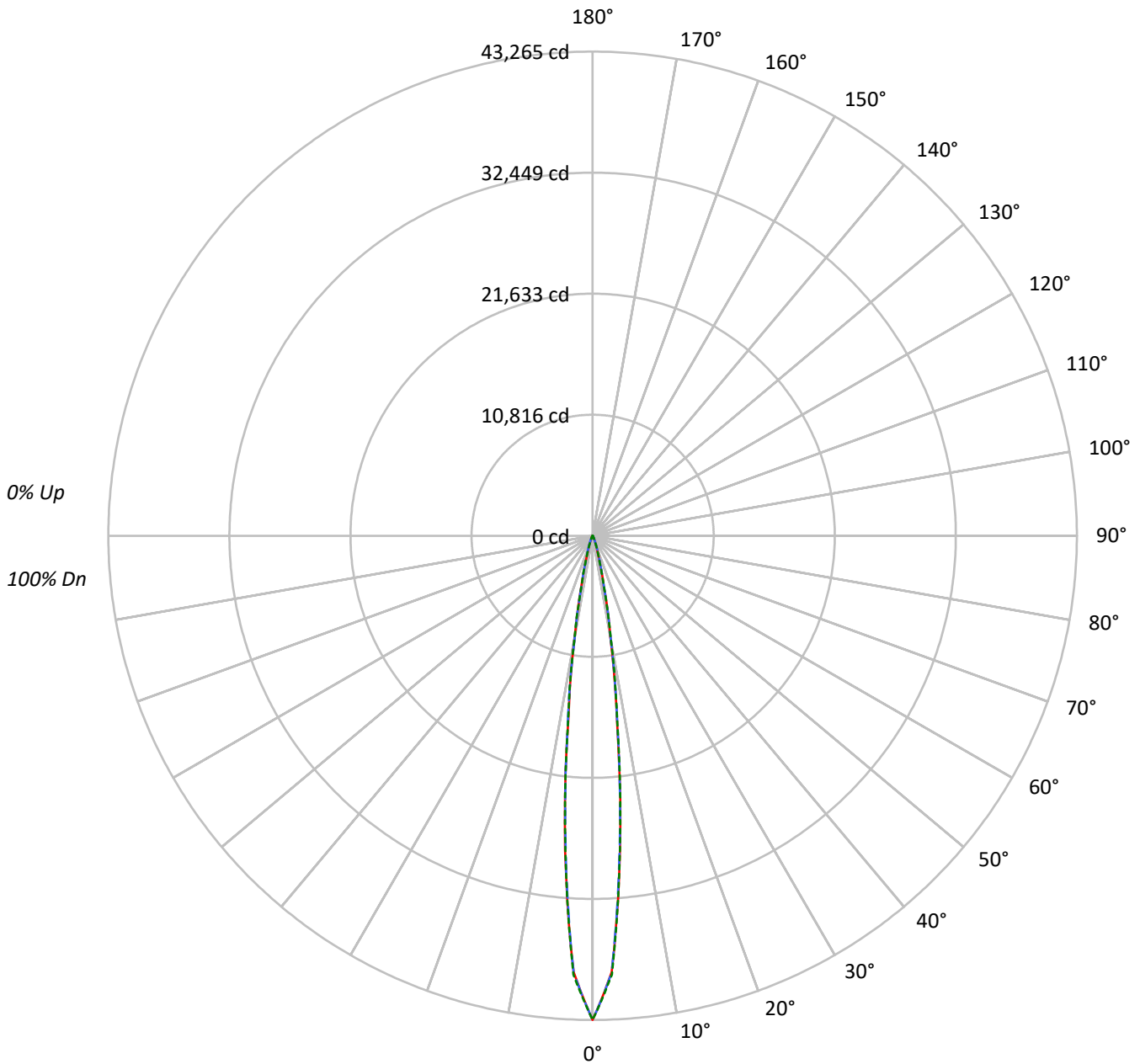


Downlight

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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	98	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°	4868142	4868142	4868142
5°	2860752	2823708	2846046
10°	853802	859783	872939
15°	212374	216508	209829
20°	63544	73583	64894
25°	22404	28535	22685
30°	8229	10835	8364
35°	4125	4655	3987
40°	2599	2862	2599
45°	1925	2051	1925
50°	1530	1530	1530
55°	1274	1274	1274
60°	1032	1032	1032
65°	785	785	785
70°	673	673	673
75°	416	416	552
80°	292	292	292
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2059.5	64.9
10°-20°	847.1	26.7
20°-30°	168.3	5.3
30°-40°	42.0	1.3
40°-50°	22.1	0.7
50°-60°	16.4	0.5
60°-70°	11.6	0.4
70°-80°	6.6	0.2
80°-90°	2.0	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°	3074.9	96.8
0°-40°	3116.9	98.2
0°-60°	3155.3	99.4
0°-90°	3175.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3175.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43265	43265	43265	43265	43265	
5°	28149	27860	27784	27977	28004	2056
15°	2445	2491	2493	2449	2416	838
25°	288	326	366	324	291	151
35°	57	60	64	60	55	39
45°	28	28	29	28	28	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	12
75°	6	6	6	6	7	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	43264.7	43264.7	43264.7	43264.7	43264.7
2.5°	39026.5	39059.4	39072.3	39110.7	39253.6
5°	28149.0	27859.6	27784.5	27976.8	28004.3
7.5°	16674.3	16733.0	16947.2	16994.9	16822.7
10°	9150.4	9225.5	9214.5	9280.4	9355.5
12.5°	4679.6	4621.0	4602.7	4677.8	4573.4
15°	2445.1	2490.9	2492.7	2448.8	2415.8
17.5°	1315.0	1368.2	1456.1	1384.6	1274.8
20°	776.6	824.2	899.3	840.7	793.1
22.5°	479.9	518.3	571.4	525.7	487.2
25°	287.6	326.0	366.3	324.2	291.2
27.5°	170.3	203.3	228.9	201.5	168.5
30°	109.9	128.2	144.7	126.4	111.7
32.5°	76.9	84.3	91.6	84.3	76.9
35°	56.8	60.4	64.1	60.4	54.9
37.5°	44.0	47.6	49.5	45.8	42.1
40°	36.6	38.5	40.3	38.5	36.6
42.5°	31.1	33.0	33.0	33.0	31.1
45°	27.5	27.5	29.3	27.5	27.5
47.5°	23.8	23.8	25.6	23.8	23.8
50°	22.0	22.0	22.0	22.0	22.0
52.5°	20.1	20.1	20.1	20.1	20.1
55°	18.3	18.3	18.3	18.3	18.3
57.5°	16.5	16.5	16.5	16.5	16.5
60°	14.7	14.7	14.7	14.7	14.7
62.5°	12.8	12.8	12.8	12.8	12.8
65°	11.0	11.0	11.0	11.0	11.0
67.5°	11.0	11.0	11.0	11.0	11.0
70°	9.2	9.2	9.2	9.2	9.2
72.5°	7.3	7.3	7.3	7.3	7.3
75°	5.5	5.5	5.5	5.5	7.3
77.5°	5.5	5.5	5.5	5.5	5.5
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	1.8
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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