

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: P791203

Luminaire Tested: LER6D30D010-EC6DR1515309030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791203
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-EC6DR1515309030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3179.9 lumens
Efficiency: N/A
Efficacy: 109.7 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

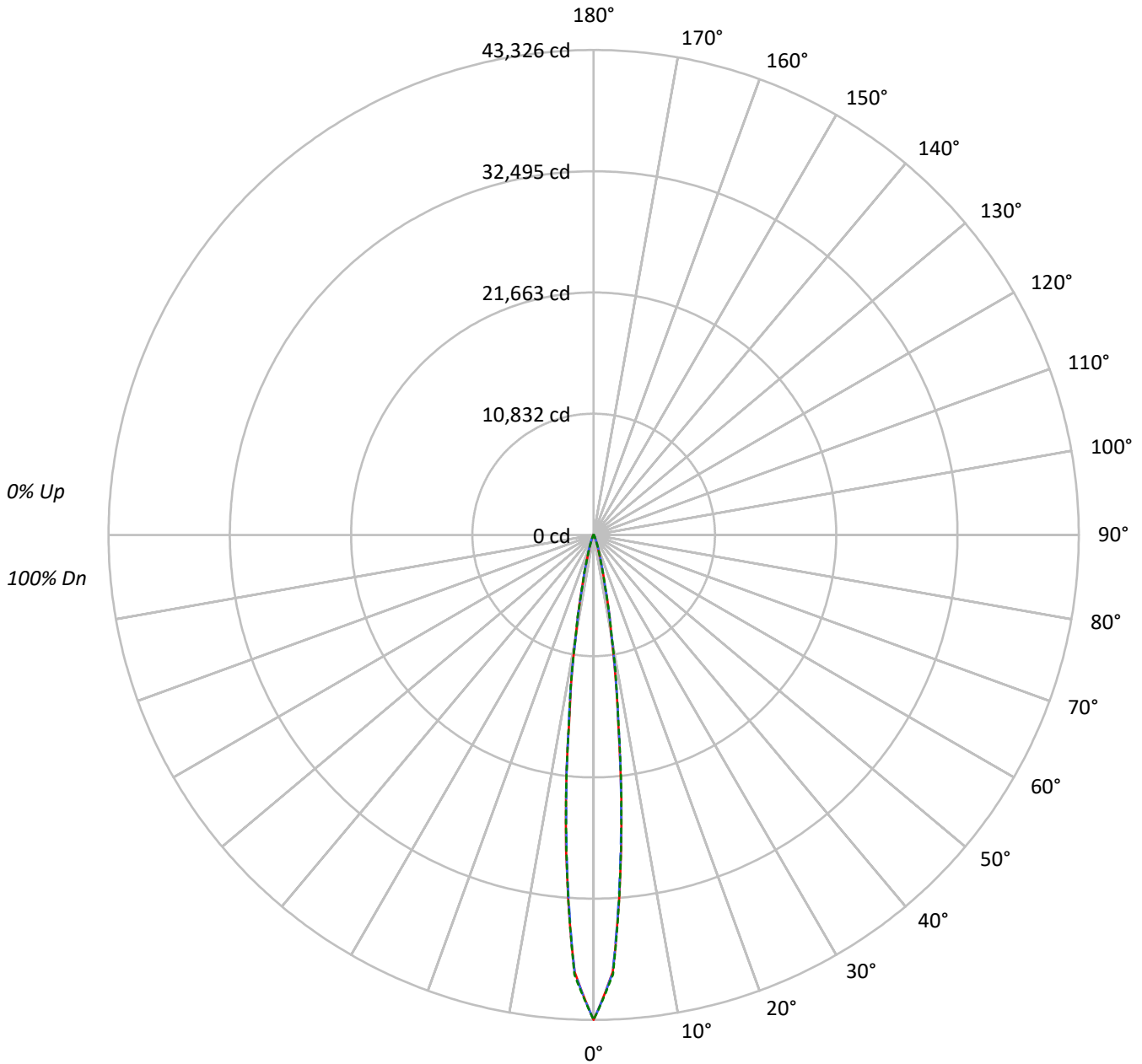
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4875051	4875051	4875051
5°	2864807	2827712	2850081
10°	855015	861005	874180
15°	212678	216821	210124
20°	63634	73690	64984
25°	22435	28574	22716
30°	8237	10850	8379
35°	4132	4662	3994
40°	2606	2869	2606
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°	2062.4	64.9
10°-20°	848.3	26.7
20°-30°	168.5	5.3
30°-40°	42.1	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°	3079.2	96.8
0°-40°	3121.3	98.2
0°-60°	3159.8	99.4
0°-90°	3179.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3179.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43326	43326	43326	43326	43326	
5°	28189	27899	27824	28016	28044	2059
15°	2449	2494	2496	2452	2419	840
25°	288	326	367	325	292	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°	43326.1	43326.1	43326.1	43326.1	43326.1
2.5°	39081.9	39114.9	39127.8	39166.3	39309.3
5°	28188.9	27899.1	27823.9	28016.5	28044.0
7.5°	16698.0	16756.7	16971.3	17019.0	16846.6
10°	9163.4	9238.6	9227.6	9293.6	9368.8
12.5°	4686.2	4627.5	4609.2	4684.4	4579.9
15°	2448.6	2494.4	2496.3	2452.2	2419.2
17.5°	1316.9	1370.1	1458.1	1386.6	1276.6
20°	777.7	825.4	900.6	841.9	794.2
22.5°	480.5	519.1	572.3	526.4	487.9
25°	288.0	326.5	366.8	324.6	291.6
27.5°	170.6	203.6	229.3	201.8	168.7
30°	110.0	128.4	144.9	126.6	111.9
32.5°	77.0	84.4	91.7	84.4	77.0
35°	56.9	60.5	64.2	60.5	55.0
37.5°	44.0	47.7	49.5	45.9	42.2
40°	36.7	38.5	40.4	38.5	36.7
42.5°	31.2	33.0	33.0	33.0	31.2
45°	27.5	27.5	29.3	27.5	27.5
47.5°	23.8	23.8	25.7	23.8	23.8
50°	22.0	22.0	22.0	22.0	22.0
52.5°	20.2	20.2	20.2	20.2	20.2
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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