

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: P791221

Luminaire Tested: LER6D30D010-EC6DR1515309040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791221
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-EC6DR1515309040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3859.5 lumens
Efficiency: N/A
Efficacy: 133.1 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

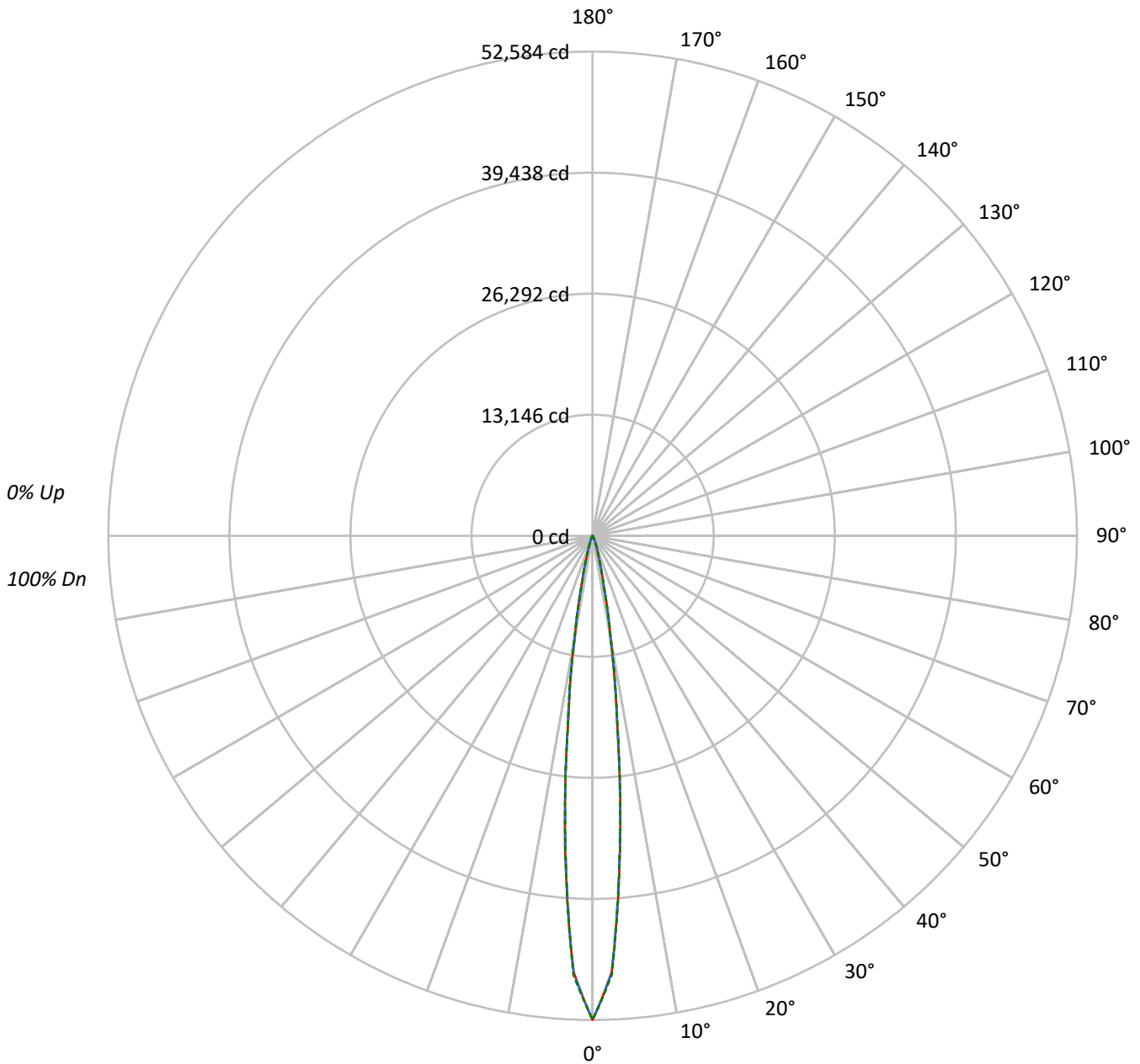


Downlight

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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°	5916794	5916794	5916794
5°	3476989	3431967	3459113
10°	1037720	1044989	1060982
15°	258121	263150	255029
20°	77233	89432	78869
25°	27226	34681	27569
30°	10004	13172	10169
35°	5011	5657	4851
40°	3160	3480	3160
45°	2338	2492	2338
50°	1857	1857	1857
55°	1552	1552	1552
60°	1250	1250	1250
65°	956	956	956
70°	812	812	812
75°	506	506	673
80°	355	355	355
85°	183	183	183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2492 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2503.1	64.9
10°-20°	1029.6	26.7
20°-30°	204.5	5.3
30°-40°	51.0	1.3
40°-50°	26.8	0.7
50°-60°	19.9	0.5
60°-70°	14.1	0.4
70°-80°	8.0	0.2
80°-90°	2.4	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°	3737.2	96.8
0°-40°	3788.3	98.2
0°-60°	3835.0	99.4
0°-90°	3859.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3859.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	52584	52584	52584	52584	52584	
5°	34213	33861	33770	34003	34037	2498
15°	2972	3028	3030	2976	2936	1019
25°	350	396	445	394	354	184
35°	69	74	78	74	67	47
45°	33	33	36	33	33	26
55°	22	22	22	22	22	20
65°	13	13	13	13	13	14
75°	7	7	7	7	9	8
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°	52584.4	52584.4	52584.4	52584.4	52584.4
2.5°	47433.3	47473.4	47488.9	47535.7	47709.3
5°	34212.6	33860.9	33769.6	34003.4	34036.7
7.5°	20266.2	20337.5	20597.9	20655.8	20446.5
10°	11121.5	11212.8	11199.4	11279.5	11370.8
12.5°	5687.6	5616.4	5594.1	5685.4	5558.5
15°	2971.8	3027.5	3029.7	2976.3	2936.2
17.5°	1598.3	1662.9	1769.7	1682.9	1549.4
20°	943.9	1001.7	1093.0	1021.8	963.9
22.5°	583.2	630.0	694.5	638.9	592.1
25°	349.5	396.2	445.2	394.0	353.9
27.5°	207.0	247.1	278.3	244.9	204.8
30°	133.6	155.8	175.9	153.6	135.8
32.5°	93.5	102.4	111.3	102.4	93.5
35°	69.0	73.5	77.9	73.5	66.8
37.5°	53.4	57.9	60.1	55.7	51.2
40°	44.5	46.7	49.0	46.7	44.5
42.5°	37.8	40.1	40.1	40.1	37.8
45°	33.4	33.4	35.6	33.4	33.4
47.5°	28.9	28.9	31.2	28.9	28.9
50°	26.7	26.7	26.7	26.7	26.7
52.5°	24.5	24.5	24.5	24.5	24.5
55°	22.3	22.3	22.3	22.3	22.3
57.5°	20.0	20.0	20.0	20.0	20.0
60°	17.8	17.8	17.8	17.8	17.8
62.5°	15.6	15.6	15.6	15.6	15.6
65°	13.4	13.4	13.4	13.4	13.4
67.5°	13.4	13.4	13.4	13.4	13.4
70°	11.1	11.1	11.1	11.1	11.1
72.5°	8.9	8.9	8.9	8.9	8.9
75°	6.7	6.7	6.7	6.7	8.9
77.5°	6.7	6.7	6.7	6.7	6.7
80°	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5
85°	2.2	2.2	2.2	2.2	2.2
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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