

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: P791196

Luminaire Tested: LER6D30D010-EC6DR1515309027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791196
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-EC6DR1515309027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3281.3 lumens
Efficiency: N/A
Efficacy: 113.1 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

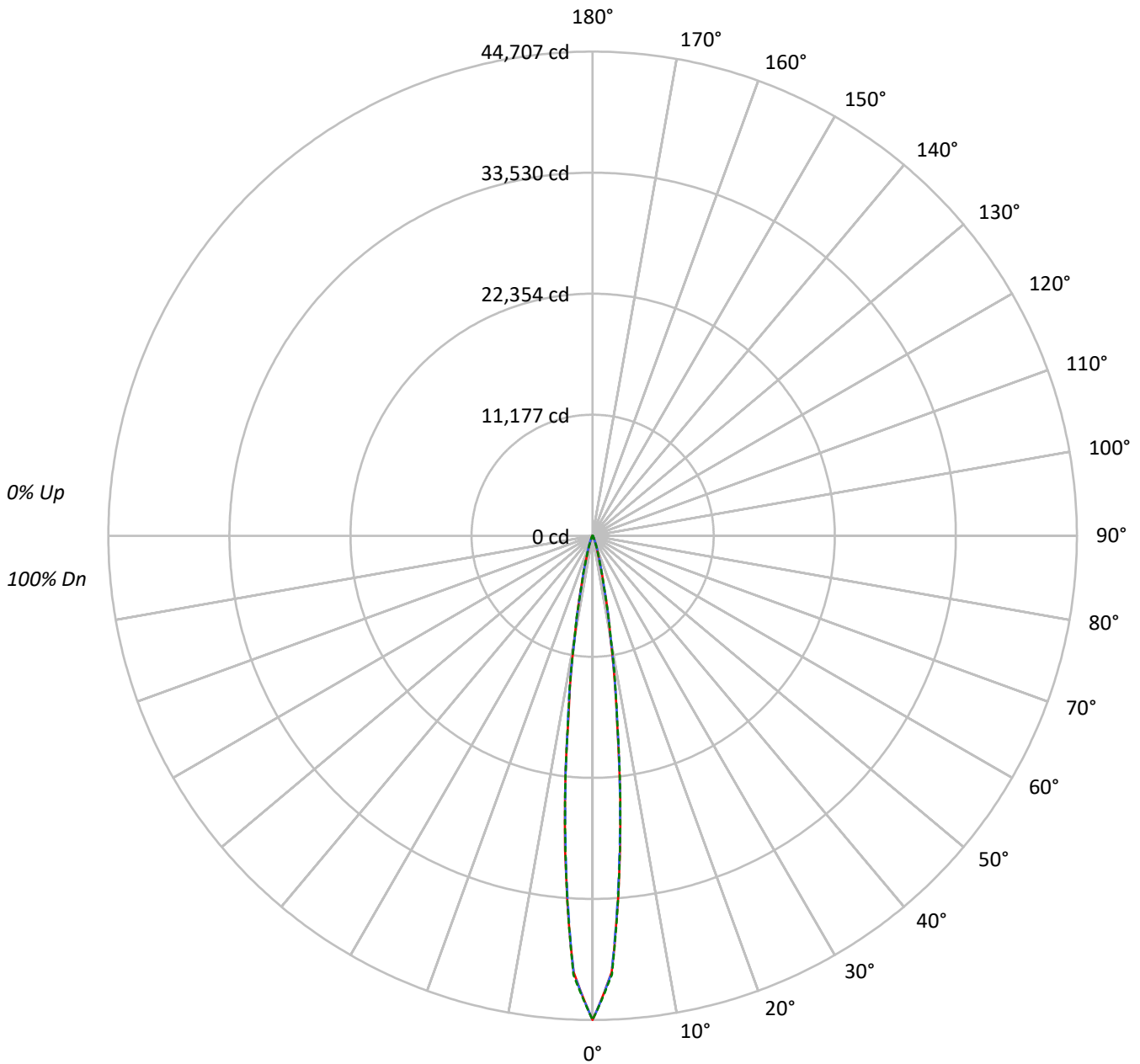


Downlight

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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°	5030452	5030452	5030452
5°	2956131	2917857	2940937
10°	882270	888447	902051
15°	219452	223726	216829
20°	65663	76038	67054
25°	23144	29485	23440
30°	8507	11195	8641
35°	4263	4807	4125
40°	2691	2954	2691
45°	1988	2121	1988
50°	1578	1578	1578
55°	1316	1316	1316
60°	1060	1060	1060
65°	814	814	814
70°	695	695	695
75°	431	431	574
80°	300	300	300
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2121 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2128.2	64.9
10°-20°	875.4	26.7
20°-30°	173.9	5.3
30°-40°	43.4	1.3
40°-50°	22.8	0.7
50°-60°	16.9	0.5
60°-70°	12.0	0.4
70°-80°	6.8	0.2
80°-90°	2.1	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°	3177.4	96.8
0°-40°	3220.8	98.2
0°-60°	3260.5	99.4
0°-90°	3281.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3281.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	44707	44707	44707	44707	44707	
5°	29088	28788	28711	28910	28938	2124
15°	2527	2574	2576	2530	2496	866
25°	297	337	378	335	301	156
35°	59	62	66	62	57	40
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	12
75°	6	6	6	6	8	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°	44707.2	44707.2	44707.2	44707.2	44707.2
2.5°	40327.7	40361.8	40375.0	40414.8	40562.4
5°	29087.5	28788.5	28710.9	28909.6	28938.0
7.5°	17230.3	17290.9	17512.3	17561.5	17383.6
10°	9455.5	9533.1	9521.7	9589.9	9667.5
12.5°	4835.6	4775.1	4756.1	4833.7	4725.8
15°	2526.6	2573.9	2575.8	2530.4	2496.4
17.5°	1358.9	1413.8	1504.6	1430.8	1317.3
20°	802.5	851.7	929.3	868.7	819.5
22.5°	495.9	535.6	590.5	543.2	503.4
25°	297.1	336.9	378.5	335.0	300.9
27.5°	176.0	210.1	236.6	208.2	174.1
30°	113.6	132.5	149.5	130.6	115.4
32.5°	79.5	87.1	94.6	87.1	79.5
35°	58.7	62.5	66.2	62.5	56.8
37.5°	45.4	49.2	51.1	47.3	43.5
40°	37.9	39.7	41.6	39.7	37.9
42.5°	32.2	34.1	34.1	34.1	32.2
45°	28.4	28.4	30.3	28.4	28.4
47.5°	24.6	24.6	26.5	24.6	24.6
50°	22.7	22.7	22.7	22.7	22.7
52.5°	20.8	20.8	20.8	20.8	20.8
55°	18.9	18.9	18.9	18.9	18.9
57.5°	17.0	17.0	17.0	17.0	17.0
60°	15.1	15.1	15.1	15.1	15.1
62.5°	13.2	13.2	13.2	13.2	13.2
65°	11.4	11.4	11.4	11.4	11.4
67.5°	11.4	11.4	11.4	11.4	11.4
70°	9.5	9.5	9.5	9.5	9.5
72.5°	7.6	7.6	7.6	7.6	7.6
75°	5.7	5.7	5.7	5.7	5.7
77.5°	5.7	5.7	5.7	5.7	5.7
80°	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
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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(END OF REPORT)