

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: P791209

Luminaire Tested: LER6D30D010-EC6DR1515309035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791209
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-EC6DR1515309035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3567.8 lumens
Efficiency: N/A
Efficacy: 123.0 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

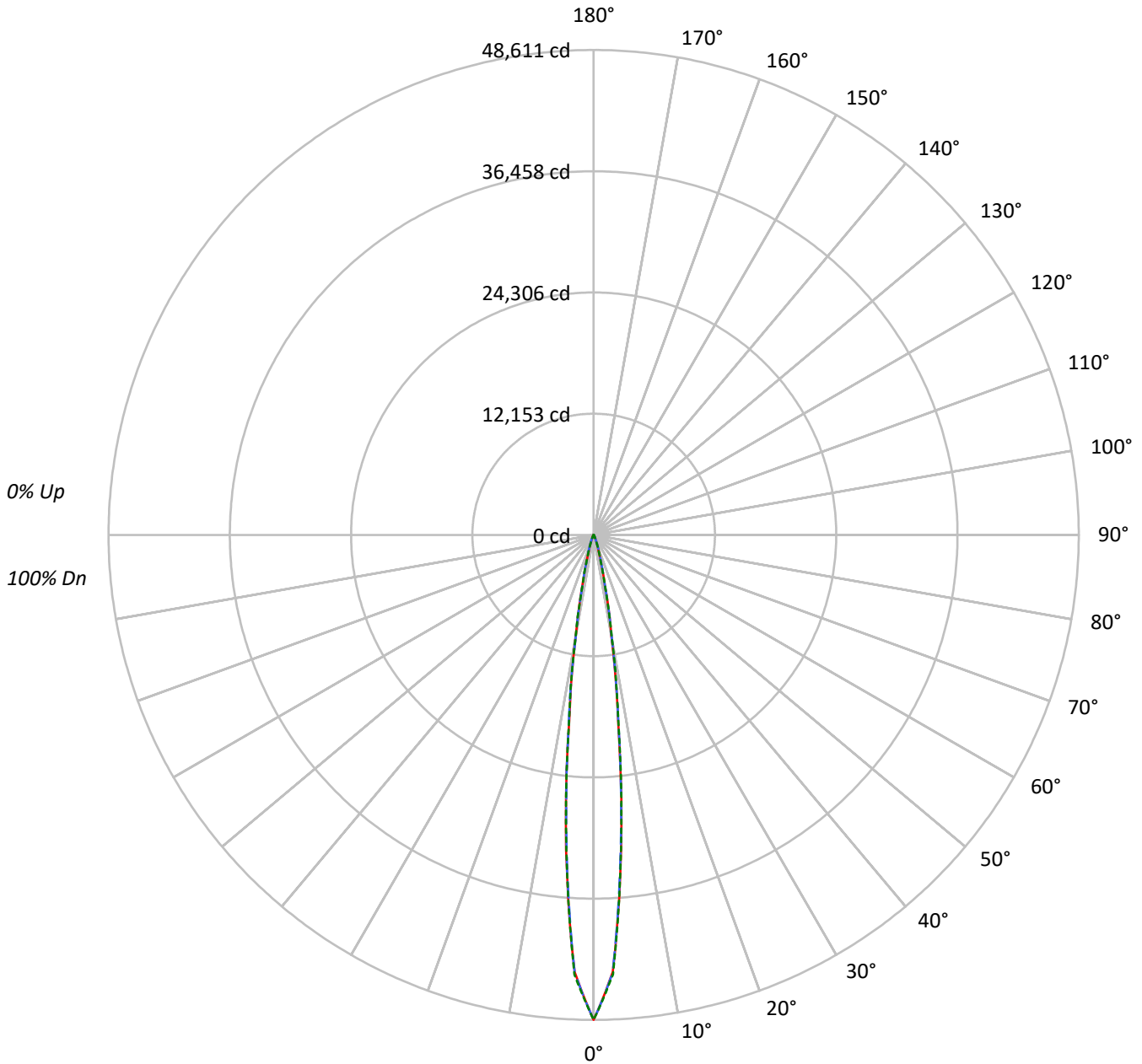
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	5469718	5469718	5469718
5°	3214268	3172651	3197743
10°	959305	966032	980812
15°	238622	243269	235756
20°	71390	82674	72912
25°	25170	32064	25489
30°	9248	12176	9398
35°	4633	5229	4481
40°	2926	3217	2926
45°	2163	2303	2163
50°	1718	1718	1718
55°	1434	1434	1434
60°	1158	1158	1158
65°	878	878	878
70°	753	753	753
75°	469	469	620
80°	323	323	323
85°	174	174	174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2303 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2314.0	64.9
10°-20°	951.8	26.7
20°-30°	189.1	5.3
30°-40°	47.2	1.3
40°-50°	24.8	0.7
50°-60°	18.4	0.5
60°-70°	13.0	0.4
70°-80°	7.4	0.2
80°-90°	2.2	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°	3454.8	96.8
0°-40°	3502.0	98.2
0°-60°	3545.2	99.4
0°-90°	3567.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3567.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	48611	48611	48611	48611	48611	
5°	31628	31302	31218	31434	31465	2310
15°	2747	2799	2801	2751	2714	942
25°	323	366	412	364	327	170
35°	64	68	72	68	62	43
45°	31	31	33	31	31	24
55°	21	21	21	21	21	18
65°	12	12	12	12	12	13
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°	48611.1	48611.1	48611.1	48611.1	48611.1
2.5°	43849.2	43886.2	43900.7	43943.9	44104.4
5°	31627.5	31302.3	31218.0	31434.0	31464.9
7.5°	18734.9	18800.7	19041.5	19095.0	18901.6
10°	10281.1	10365.5	10353.2	10427.3	10511.6
12.5°	5257.9	5192.0	5171.4	5255.8	5138.5
15°	2747.3	2798.7	2800.8	2751.4	2714.3
17.5°	1477.6	1537.2	1636.0	1555.8	1432.3
20°	872.5	926.0	1010.4	944.6	891.1
22.5°	539.2	582.4	642.1	590.6	547.4
25°	323.1	366.3	411.6	364.2	327.2
27.5°	191.4	228.4	257.2	226.4	189.3
30°	123.5	144.1	162.6	142.0	125.5
32.5°	86.4	94.7	102.9	94.7	86.4
35°	63.8	67.9	72.0	67.9	61.7
37.5°	49.4	53.5	55.6	51.4	47.3
40°	41.2	43.2	45.3	43.2	41.2
42.5°	35.0	37.0	37.0	37.0	35.0
45°	30.9	30.9	32.9	30.9	30.9
47.5°	26.8	26.8	28.8	26.8	26.8
50°	24.7	24.7	24.7	24.7	24.7
52.5°	22.6	22.6	22.6	22.6	22.6
55°	20.6	20.6	20.6	20.6	20.6
57.5°	18.5	18.5	18.5	18.5	18.5
60°	16.5	16.5	16.5	16.5	16.5
62.5°	14.4	14.4	14.4	14.4	14.4
65°	12.3	12.3	12.3	12.3	12.3
67.5°	12.3	12.3	12.3	12.3	12.3
70°	10.3	10.3	10.3	10.3	10.3
72.5°	8.2	8.2	8.2	8.2	8.2
75°	6.2	6.2	6.2	6.2	6.2
77.5°	6.2	6.2	6.2	6.2	6.2
80°	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1
85°	2.1	2.1	2.1	2.1	2.1
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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