

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: P791189

Luminaire Tested: LER6D30D010-EC6DR1515309024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791189
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-EC6DR1515309024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3103.8 lumens
Efficiency: N/A
Efficacy: 107.0 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

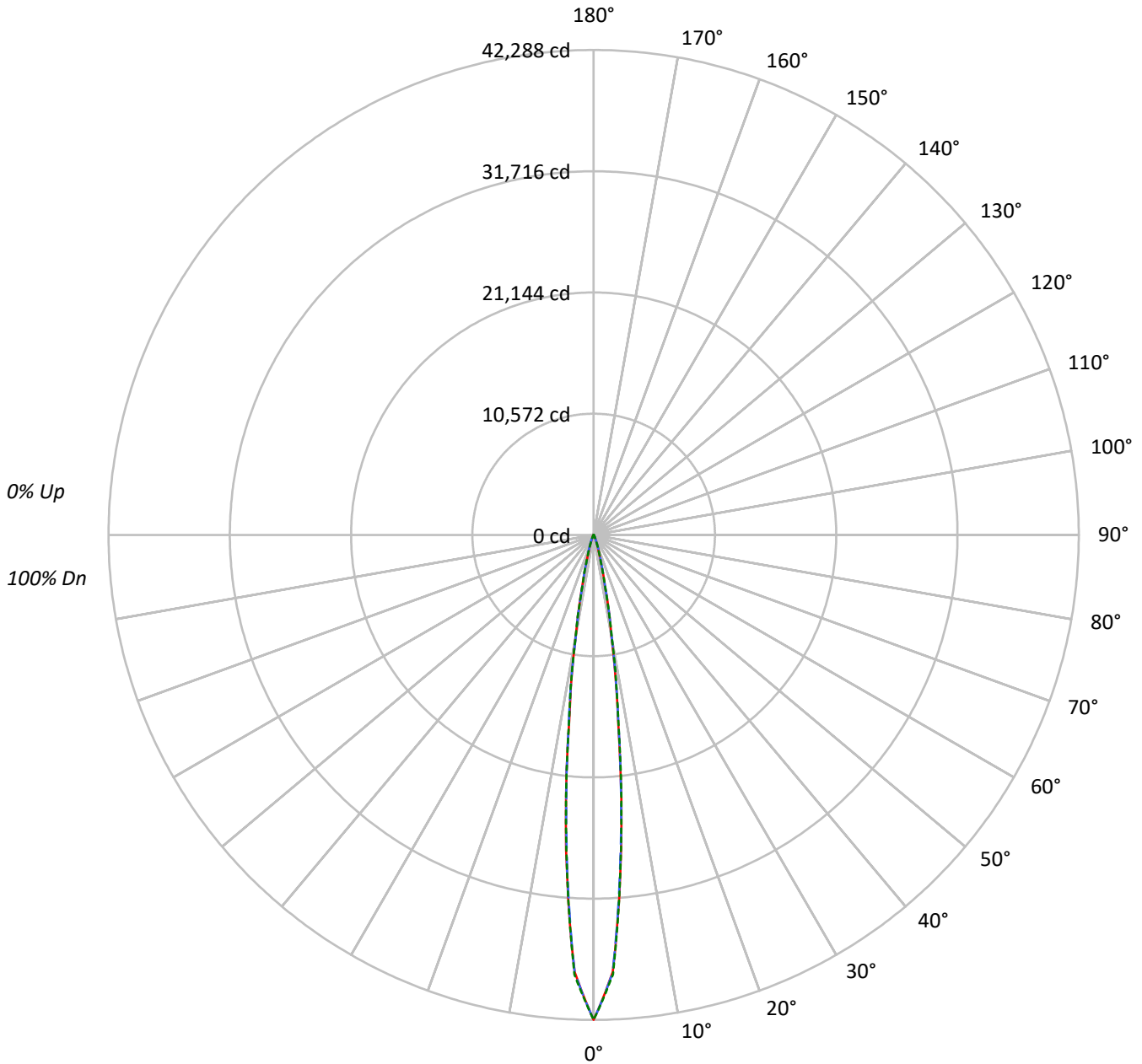


Downlight

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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°	4758199	4758199	4758199
5°	2796147	2759936	2781776
10°	834515	840365	853223
15°	207579	211618	205086
20°	62104	71922	63421
25°	21898	27888	22171
30°	8042	10588	8177
35°	4030	4553	3900
40°	2542	2798	2542
45°	1883	2002	1883
50°	1495	1495	1495
55°	1246	1246	1246
60°	1004	1004	1004
65°	764	764	764
70°	658	658	658
75°	408	408	544
80°	284	284	284
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2002 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2013.0	64.9
10°-20°	828.0	26.7
20°-30°	164.5	5.3
30°-40°	41.0	1.3
40°-50°	21.6	0.7
50°-60°	16.0	0.5
60°-70°	11.3	0.4
70°-80°	6.5	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°	3005.4	96.8
0°-40°	3046.5	98.2
0°-60°	3084.1	99.4
0°-90°	3103.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3103.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	42288	42288	42288	42288	42288	
5°	27513	27230	27157	27345	27372	2009
15°	2390	2435	2436	2394	2361	819
25°	281	319	358	317	285	148
35°	56	59	63	59	54	38
45°	27	27	29	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	6
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°	42287.6	42287.6	42287.6	42287.6	42287.6
2.5°	38145.2	38177.4	38189.9	38227.5	38367.1
5°	27513.3	27230.4	27157.0	27345.0	27371.9
7.5°	16297.8	16355.1	16564.5	16611.1	16442.8
10°	8943.7	9017.1	9006.4	9070.8	9144.2
12.5°	4573.9	4516.6	4498.7	4572.1	4470.1
15°	2389.9	2434.6	2436.4	2393.5	2361.2
17.5°	1285.3	1337.3	1423.2	1353.4	1246.0
20°	759.0	805.6	879.0	821.7	775.1
22.5°	469.0	506.6	558.5	513.8	476.2
25°	281.1	318.7	358.0	316.9	284.6
27.5°	166.5	198.7	223.8	196.9	164.7
30°	107.4	125.3	141.4	123.5	109.2
32.5°	75.2	82.3	89.5	82.3	75.2
35°	55.5	59.1	62.7	59.1	53.7
37.5°	43.0	46.5	48.3	44.8	41.2
40°	35.8	37.6	39.4	37.6	35.8
42.5°	30.4	32.2	32.2	32.2	30.4
45°	26.9	26.9	28.6	26.9	26.9
47.5°	23.3	23.3	25.1	23.3	23.3
50°	21.5	21.5	21.5	21.5	21.5
52.5°	19.7	19.7	19.7	19.7	19.7
55°	17.9	17.9	17.9	17.9	17.9
57.5°	16.1	16.1	16.1	16.1	16.1
60°	14.3	14.3	14.3	14.3	14.3
62.5°	12.5	12.5	12.5	12.5	12.5
65°	10.7	10.7	10.7	10.7	10.7
67.5°	10.7	10.7	10.7	10.7	10.7
70°	9.0	9.0	9.0	9.0	9.0
72.5°	7.2	7.2	7.2	7.2	7.2
75°	5.4	5.4	5.4	5.4	7.2
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6
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

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)