

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: P791369

Luminaire Tested: LER6D30D010-EC6DR3020359050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR3020359050-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6114.6 lumens
Efficiency: N/A
Efficacy: 210.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

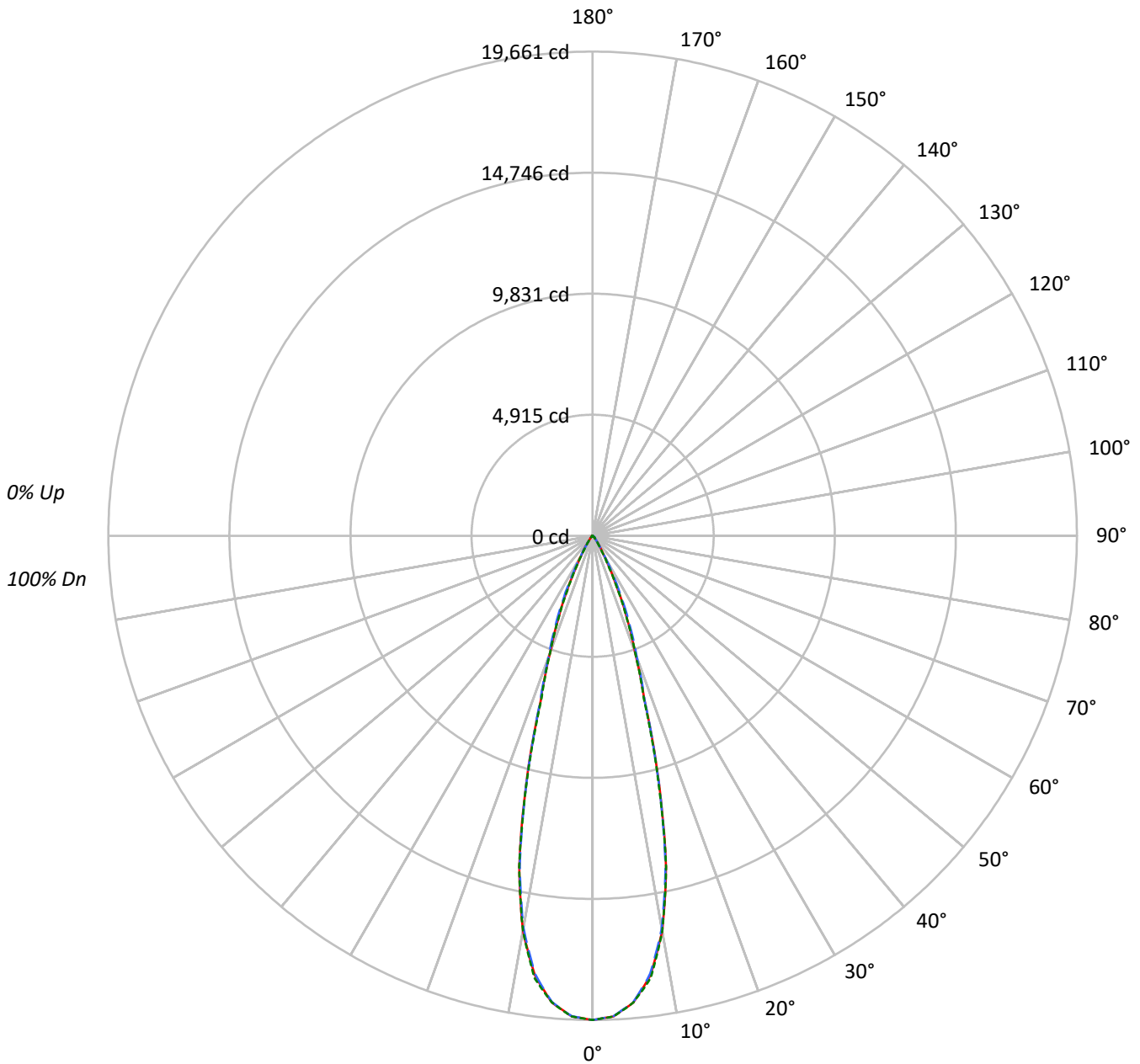
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1504950	1504950	1504950
5°	1461747	1460041	1461824
10°	1266096	1257166	1265793
15°	826067	821629	817500
20°	410765	426177	410211
25°	206918	233327	202678
30°	82843	90267	72184
35°	38423	36798	30845
40°	16587	18425	15628
45°	11702	14527	11810
50°	4025	10574	4251
55°	2322	4377	2442
60°	1623	1914	1623
65°	1050	1050	1050
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14527 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1728.9	28.3
10°-20°	2784.4	45.5
20°-30°	1203.2	19.7
30°-40°	274.2	4.5
40°-50°	94.2	1.5
50°-60°	23.0	0.4
60°-70°	6.0	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
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°	5716.6	93.5
0°-40°	5990.8	98.0
0°-60°	6108.0	99.9
0°-90°	6114.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6114.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19661	19661	19661	19661	19661	
5°	19024	19006	19002	19042	19025	1730
15°	10424	10299	10368	10335	10316	2791
25°	2450	2543	2763	2478	2400	1173
35°	411	420	394	391	330	279
45°	108	134	134	134	109	77
55°	17	18	33	19	18	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19661.4	19661.4	19661.4	19661.4	19661.4
2.5°	19531.1	19517.6	19525.3	19535.0	19538.8
5°	19024.3	19006.0	19002.1	19041.7	19025.3
7.5°	18002.0	17976.0	17936.4	18026.2	18110.2
10°	16289.6	16260.6	16174.7	16217.2	16285.7
12.5°	13761.4	13667.8	13665.9	13801.0	13782.7
15°	10424.4	10298.9	10368.4	10334.6	10316.3
17.5°	7010.1	6961.8	7054.5	7026.5	6905.8
20°	5042.8	5055.3	5232.0	5143.2	5036.0
22.5°	3679.8	3725.1	3934.6	3705.8	3621.8
25°	2450.0	2542.6	2762.7	2477.9	2399.8
27.5°	1506.8	1549.3	1772.3	1487.5	1445.1
30°	937.3	916.1	1021.3	876.5	816.7
32.5°	614.9	587.9	621.7	557.9	509.7
35°	411.2	419.9	393.8	391.0	330.1
37.5°	256.8	295.4	260.6	278.0	212.4
40°	166.0	214.3	184.4	203.7	156.4
42.5°	136.1	165.1	151.6	161.2	139.0
45°	108.1	134.2	134.2	134.2	109.1
47.5°	59.8	89.8	114.9	91.7	63.7
50°	33.8	45.4	88.8	47.3	35.7
52.5°	23.2	26.1	60.8	27.0	24.1
55°	17.4	18.3	32.8	19.3	18.3
57.5°	13.5	14.5	17.4	14.5	13.5
60°	10.6	10.6	12.5	11.6	10.6
62.5°	7.7	7.7	8.7	7.7	7.7
65°	5.8	5.8	5.8	5.8	5.8
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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