

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: P791368

Luminaire Tested: LER6D30D010-EC6DR3020359050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791368
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-EC6DR3020359050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 5823.4 lumens
Efficiency: N/A
Efficacy: 200.8 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

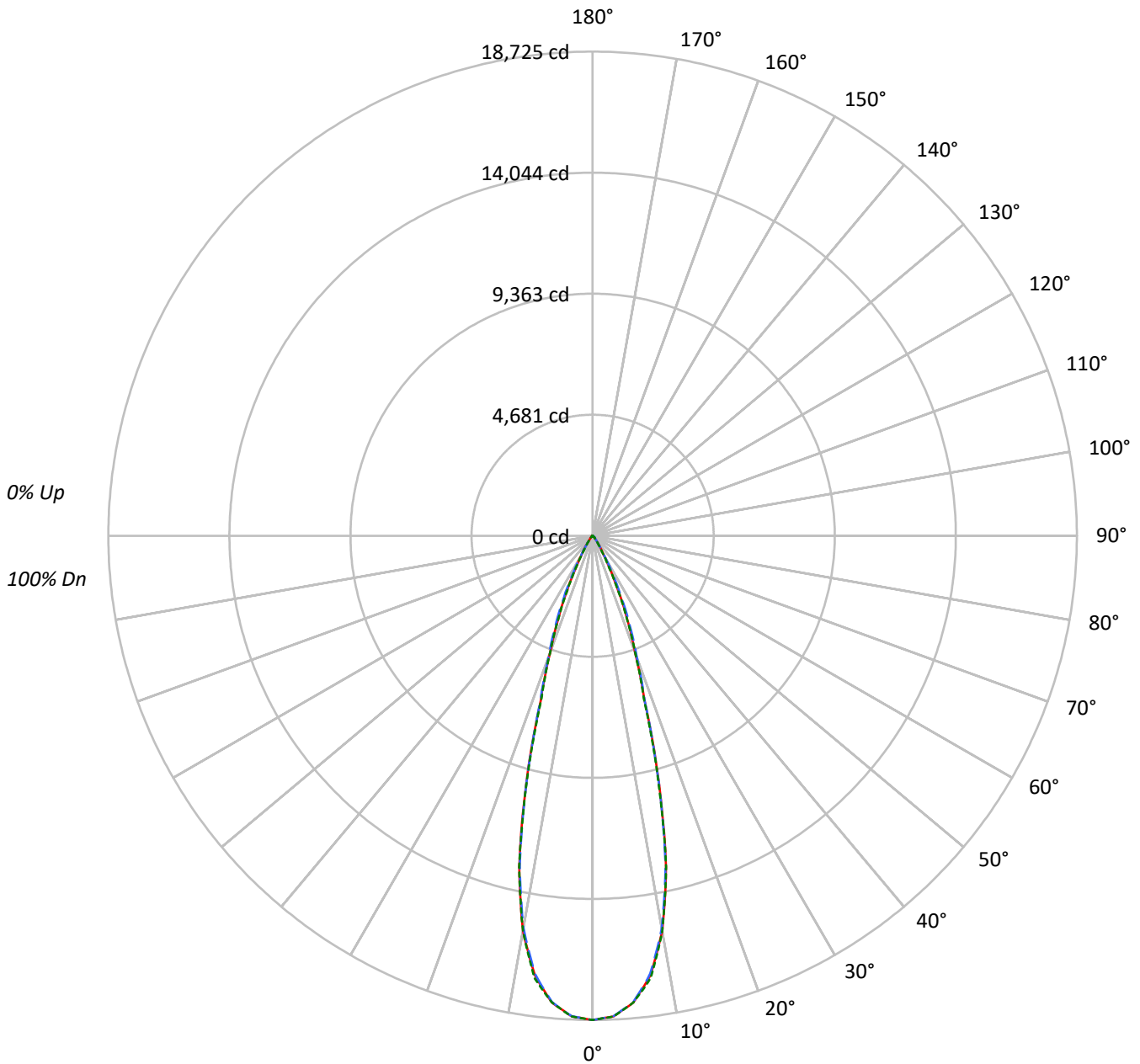
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1433283	1433283	1433283
5°	1392141	1390512	1392211
10°	1205805	1197302	1205518
15°	786730	782498	778568
20°	391200	405878	390678
25°	197062	222221	193025
30°	78901	85972	68746
35°	36592	35050	29378
40°	15797	17546	14878
45°	11150	13834	11247
50°	3834	10074	4049
55°	2202	4177	2335
60°	1546	1837	1546
65°	996	996	996
70°	627	403	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 13834 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1646.6	28.3
10°-20°	2651.9	45.5
20°-30°	1145.9	19.7
30°-40°	261.2	4.5
40°-50°	89.7	1.5
50°-60°	21.9	0.4
60°-70°	5.7	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°	5444.4	93.5
0°-40°	5705.6	98.0
0°-60°	5817.2	99.9
0°-90°	5823.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5823.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18725	18725	18725	18725	18725	
5°	18118	18101	18097	18135	18119	1648
15°	9928	9808	9875	9842	9825	2658
25°	2333	2422	2631	2360	2286	1117
35°	392	400	375	372	314	266
45°	103	128	128	128	104	73
55°	16	18	31	18	18	16
65°	6	6	6	6	6	5
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°	18725.1	18725.1	18725.1	18725.1	18725.1
2.5°	18601.0	18588.2	18595.5	18604.7	18608.4
5°	18118.4	18100.9	18097.2	18134.9	18119.3
7.5°	17144.8	17120.0	17082.3	17167.8	17247.8
10°	15513.9	15486.3	15404.5	15444.9	15510.2
12.5°	13106.1	13017.0	13015.1	13143.8	13126.4
15°	9928.0	9808.5	9874.6	9842.5	9825.0
17.5°	6676.3	6630.3	6718.5	6691.9	6577.0
20°	4802.6	4814.6	4982.8	4898.3	4796.2
22.5°	3504.5	3547.7	3747.2	3529.4	3449.4
25°	2333.3	2421.5	2631.2	2359.9	2285.5
27.5°	1435.1	1475.5	1687.9	1416.7	1376.3
30°	892.7	872.5	972.7	834.8	777.8
32.5°	585.6	559.9	592.1	531.4	485.4
35°	391.6	399.9	375.1	372.3	314.4
37.5°	244.5	281.3	248.2	264.8	202.3
40°	158.1	204.1	175.6	194.0	148.9
42.5°	129.6	157.2	144.3	153.5	132.4
45°	103.0	127.8	127.8	127.8	103.9
47.5°	57.0	85.5	109.4	87.3	60.7
50°	32.2	43.2	84.6	45.0	34.0
52.5°	22.1	24.8	57.9	25.7	23.0
55°	16.5	17.5	31.3	18.4	17.5
57.5°	12.9	13.8	16.5	13.8	12.9
60°	10.1	10.1	12.0	11.0	10.1
62.5°	7.4	7.4	8.3	7.4	7.4
65°	5.5	5.5	5.5	5.5	5.5
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.8	1.8	1.8	2.8
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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