

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: P791372

Luminaire Tested: LER6D30D010-EC6DR3020359050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791372
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-EC6DR3020359050-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 6129.9 lumens
Efficiency: N/A
Efficacy: 211.4 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

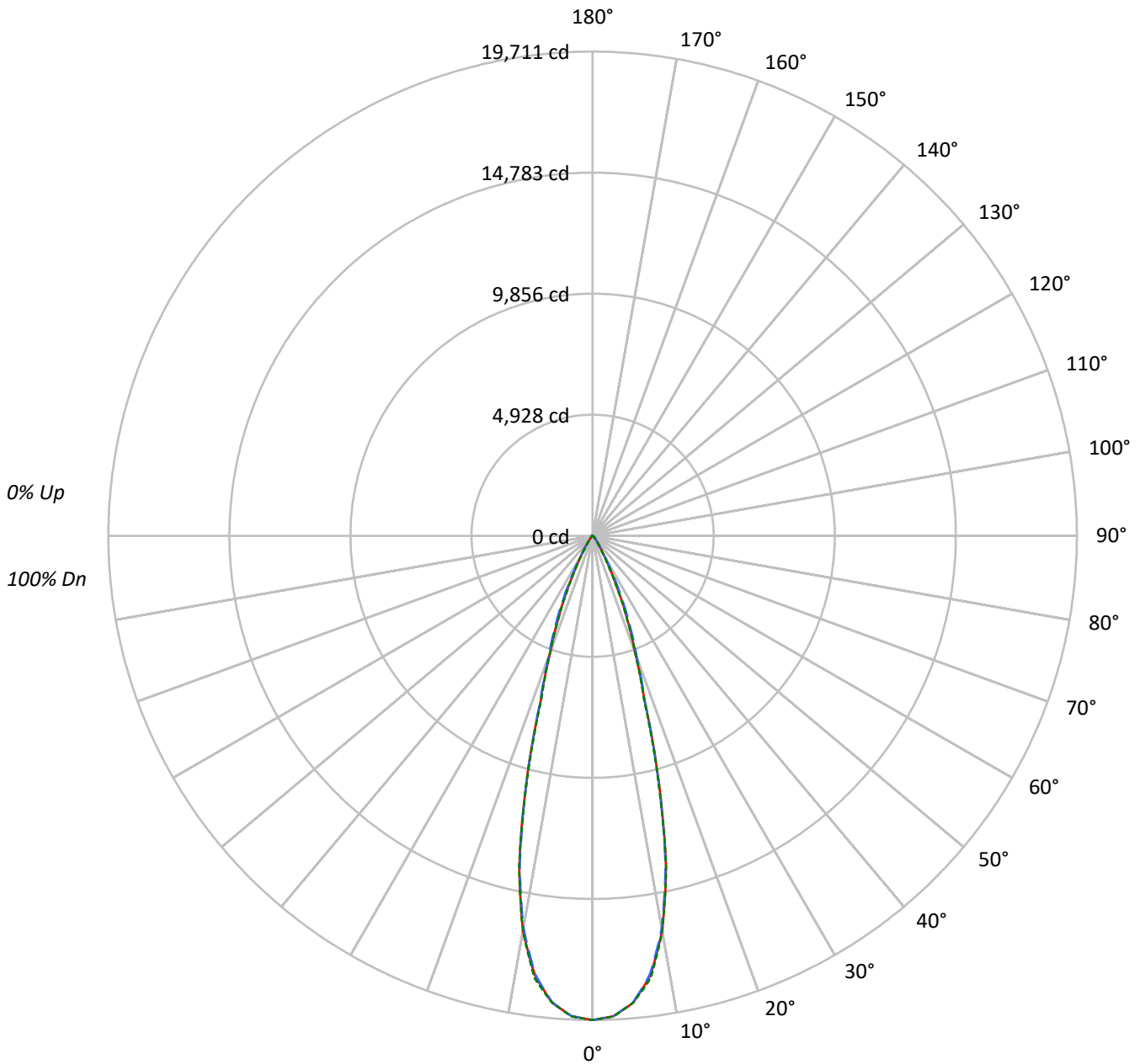


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1508724	1508724	1508724
5°	1465412	1463699	1465489
10°	1269267	1260321	1268964
15°	828135	823689	819545
20°	411792	427244	411238
25°	207433	233910	203185
30°	83055	90497	72361
35°	38526	36891	30929
40°	16627	18465	15668
45°	11734	14559	11842
50°	4037	10598	4263
55°	2322	4390	2455
60°	1623	1929	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: 14559 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1733.3	28.3
10°-20°	2791.4	45.5
20°-30°	1206.3	19.7
30°-40°	274.9	4.5
40°-50°	94.4	1.5
50°-60°	23.1	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°	5730.9	93.5
0°-40°	6005.9	98.0
0°-60°	6123.3	99.9
0°-90°	6129.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6129.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19711	19711	19711	19711	19711	
5°	19072	19054	19050	19089	19073	1735
15°	10450	10325	10394	10360	10342	2798
25°	2456	2549	2770	2484	2406	1176
35°	412	421	395	392	331	280
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°	19710.7	19710.7	19710.7	19710.7	19710.7
2.5°	19580.0	19566.5	19574.2	19583.9	19587.8
5°	19072.0	19053.6	19049.7	19089.4	19073.0
7.5°	18047.2	18021.0	17981.4	18071.4	18155.5
10°	16330.4	16301.4	16215.3	16257.8	16326.5
12.5°	13795.9	13702.1	13700.1	13835.6	13817.2
15°	10450.5	10324.7	10394.4	10360.5	10342.1
17.5°	7027.6	6979.3	7072.2	7044.1	6923.1
20°	5055.4	5068.0	5245.1	5156.1	5048.6
22.5°	3689.0	3734.5	3944.5	3715.1	3630.9
25°	2456.1	2549.0	2769.6	2484.2	2405.8
27.5°	1510.6	1553.2	1776.7	1491.3	1448.7
30°	939.7	918.4	1023.9	878.7	818.7
32.5°	616.4	589.3	623.2	559.3	511.0
35°	412.3	421.0	394.8	391.9	331.0
37.5°	257.4	296.1	261.3	278.7	212.9
40°	166.4	214.8	184.8	204.2	156.8
42.5°	136.4	165.5	151.9	161.6	139.4
45°	108.4	134.5	134.5	134.5	109.4
47.5°	60.0	90.0	115.2	91.9	63.9
50°	33.9	45.5	89.0	47.4	35.8
52.5°	23.2	26.1	61.0	27.1	24.2
55°	17.4	18.4	32.9	19.4	18.4
57.5°	13.5	14.5	17.4	14.5	13.5
60°	10.6	10.6	12.6	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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(END OF REPORT)