

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: P791350

Luminaire Tested: LER6D30D010-EC6DR3020359030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791350
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-EC6DR3020359030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5435.1 lumens
Efficiency: N/A
Efficacy: 187.4 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

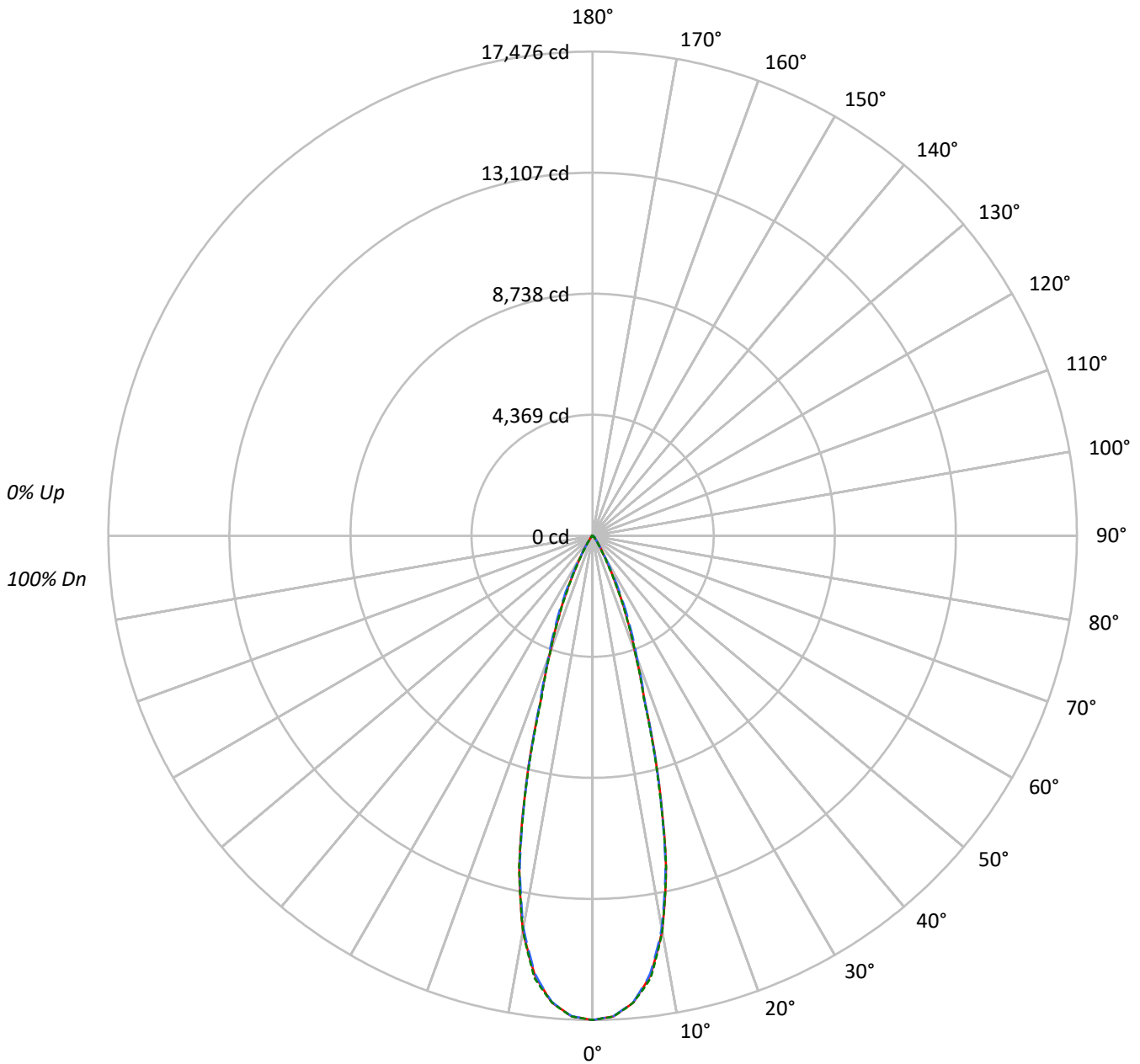


Downlight

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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																			
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°	1337711	1337711	1337711
5°	1299308	1297787	1299370
10°	1125392	1117456	1125128
15°	734263	730324	726648
20°	365117	378810	364629
25°	183920	207399	180154
30°	73642	80236	64158
35°	34153	32714	27416
40°	14748	16377	13889
45°	10403	12914	10500
50°	3572	9395	3775
55°	2055	3897	2175
60°	1439	1715	1439
65°	924	924	924
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12914 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1536.8	28.3
10°-20°	2475.0	45.5
20°-30°	1069.5	19.7
30°-40°	243.8	4.5
40°-50°	83.7	1.5
50°-60°	20.4	0.4
60°-70°	5.3	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°	5081.3	93.5
0°-40°	5325.1	98.0
0°-60°	5429.2	99.9
0°-90°	5435.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5435.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17476	17476	17476	17476	17476	
5°	16910	16894	16890	16926	16911	1538
15°	9266	9154	9216	9186	9170	2481
25°	2178	2260	2456	2203	2133	1042
35°	366	373	350	348	293	248
45°	96	119	119	119	97	68
55°	15	16	29	17	16	15
65°	5	5	5	5	5	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°	17476.5	17476.5	17476.5	17476.5	17476.5
2.5°	17360.6	17348.6	17355.5	17364.1	17367.5
5°	16910.2	16893.9	16890.4	16925.6	16911.0
7.5°	16001.5	15978.3	15943.1	16022.9	16097.6
10°	14479.3	14453.6	14377.2	14415.0	14475.9
12.5°	12232.1	12148.9	12147.2	12267.3	12251.0
15°	9265.9	9154.4	9216.2	9186.1	9169.8
17.5°	6231.0	6188.1	6270.5	6245.6	6138.4
20°	4482.4	4493.5	4650.5	4571.6	4476.4
22.5°	3270.8	3311.2	3497.4	3294.0	3219.3
25°	2177.7	2260.1	2455.7	2202.6	2133.1
27.5°	1339.4	1377.1	1575.4	1322.2	1284.5
30°	833.2	814.3	907.8	779.1	725.9
32.5°	546.6	522.5	552.6	495.9	453.0
35°	365.5	373.2	350.1	347.5	293.4
37.5°	228.2	262.6	231.7	247.1	188.8
40°	147.6	190.5	163.9	181.0	139.0
42.5°	121.0	146.7	134.7	143.3	123.6
45°	96.1	119.3	119.3	119.3	97.0
47.5°	53.2	79.8	102.1	81.5	56.6
50°	30.0	40.3	78.9	42.0	31.7
52.5°	20.6	23.2	54.1	24.0	21.5
55°	15.4	16.3	29.2	17.2	16.3
57.5°	12.0	12.9	15.4	12.9	12.0
60°	9.4	9.4	11.2	10.3	9.4
62.5°	6.9	6.9	7.7	6.9	6.9
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	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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(END OF REPORT)