

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: P791346

Luminaire Tested: LER6D30D010-EC6DR3020359030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791346
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-EC6DR3020359030-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 4845.6 lumens
Efficiency: N/A
Efficacy: 167.1 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

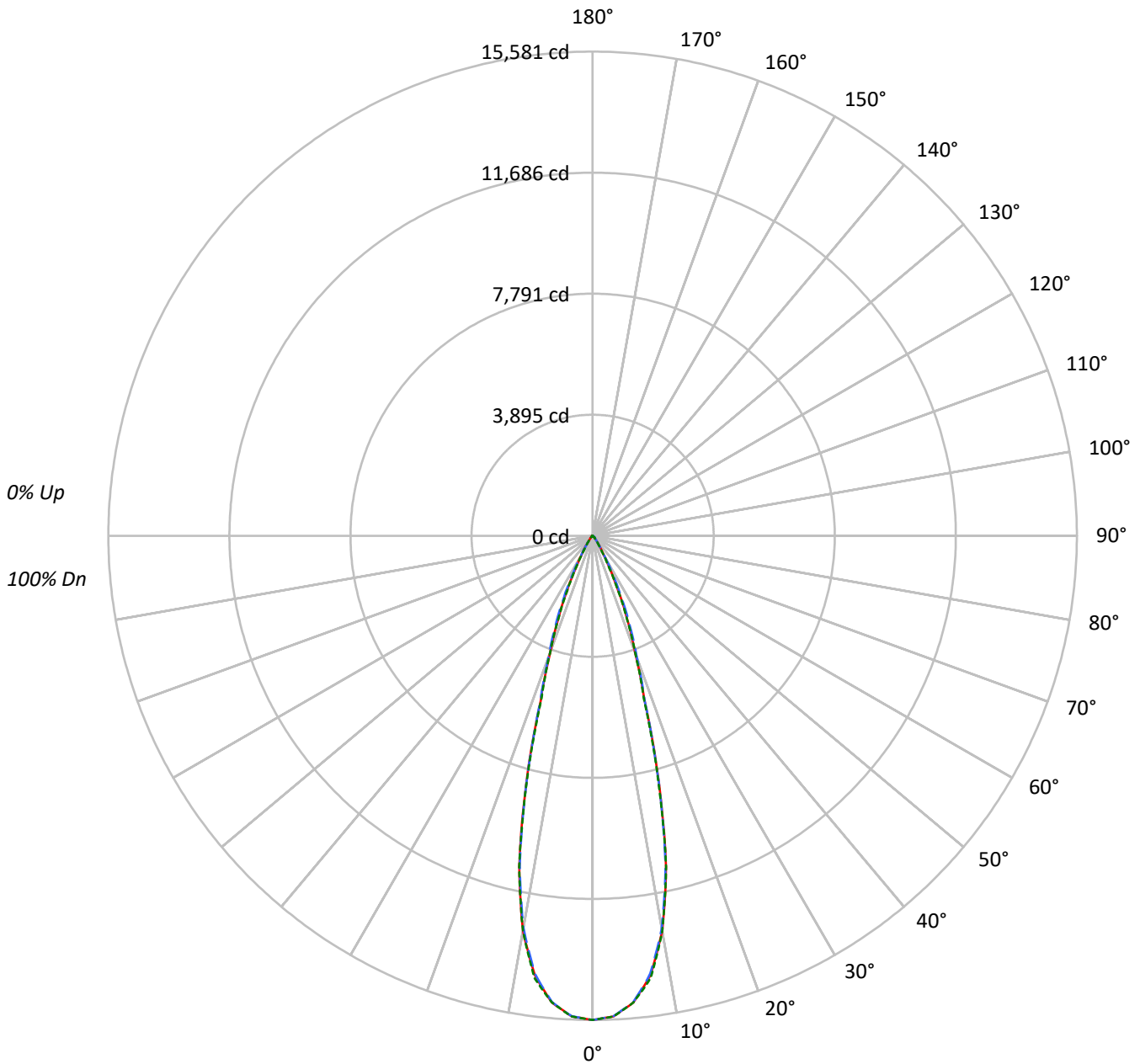


Downlight

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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°	1192615	1192615	1192615
5°	1158384	1157032	1158438
10°	1003334	996261	1003093
15°	654623	651113	647832
20°	325514	337724	325082
25°	163972	184900	160611
30°	65652	71530	57203
35°	30453	29163	24444
40°	13150	14598	12380
45°	9277	11507	9353
50°	3191	8383	3370
55°	1842	3470	1935
60°	1286	1516	1286
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11507 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1370.1	28.3
10°-20°	2206.6	45.5
20°-30°	953.5	19.7
30°-40°	217.3	4.5
40°-50°	74.6	1.5
50°-60°	18.2	0.4
60°-70°	4.7	0.1
70°-80°	0.5	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°	4530.2	93.5
0°-40°	4747.5	98.0
0°-60°	4840.4	99.9
0°-90°	4845.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4845.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15581	15581	15581	15581	15581	
5°	15076	15062	15058	15090	15077	1371
15°	8261	8162	8217	8190	8175	2212
25°	1942	2015	2189	1964	1902	929
35°	326	333	312	310	262	221
45°	86	106	106	106	86	61
55°	14	14	26	15	14	13
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°	15580.9	15580.9	15580.9	15580.9	15580.9
2.5°	15477.7	15467.0	15473.1	15480.7	15483.8
5°	15076.1	15061.5	15058.5	15089.8	15076.8
7.5°	14265.9	14245.3	14213.9	14285.1	14351.6
10°	12908.9	12885.9	12817.9	12851.5	12905.8
12.5°	10905.4	10831.2	10829.7	10936.8	10922.3
15°	8260.9	8161.5	8216.6	8189.8	8175.2
17.5°	5555.2	5517.0	5590.4	5568.2	5472.6
20°	3996.2	4006.2	4146.1	4075.8	3990.9
22.5°	2916.1	2952.0	3118.0	2936.7	2870.2
25°	1941.5	2014.9	2189.3	1963.7	1901.7
27.5°	1194.1	1227.8	1404.5	1178.8	1145.2
30°	742.8	726.0	809.3	694.6	647.2
32.5°	487.3	465.9	492.6	442.2	403.9
35°	325.9	332.8	312.1	309.8	261.6
37.5°	203.5	234.1	206.5	220.3	168.3
40°	131.6	169.8	146.1	161.4	123.9
42.5°	107.9	130.8	120.1	127.8	110.2
45°	85.7	106.3	106.3	106.3	86.4
47.5°	47.4	71.1	91.0	72.7	50.5
50°	26.8	36.0	70.4	37.5	28.3
52.5°	18.4	20.7	48.2	21.4	19.1
55°	13.8	14.5	26.0	15.3	14.5
57.5°	10.7	11.5	13.8	11.5	10.7
60°	8.4	8.4	9.9	9.2	8.4
62.5°	6.1	6.1	6.9	6.1	6.1
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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

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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