

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: P789584

Luminaire Tested: LER6D15D010-EC6DR300215IC9030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789584
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: LER6D15D010-EC6DR300215IC9030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2505.6 lumens
Efficiency: N/A
Efficacy: 158.6 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

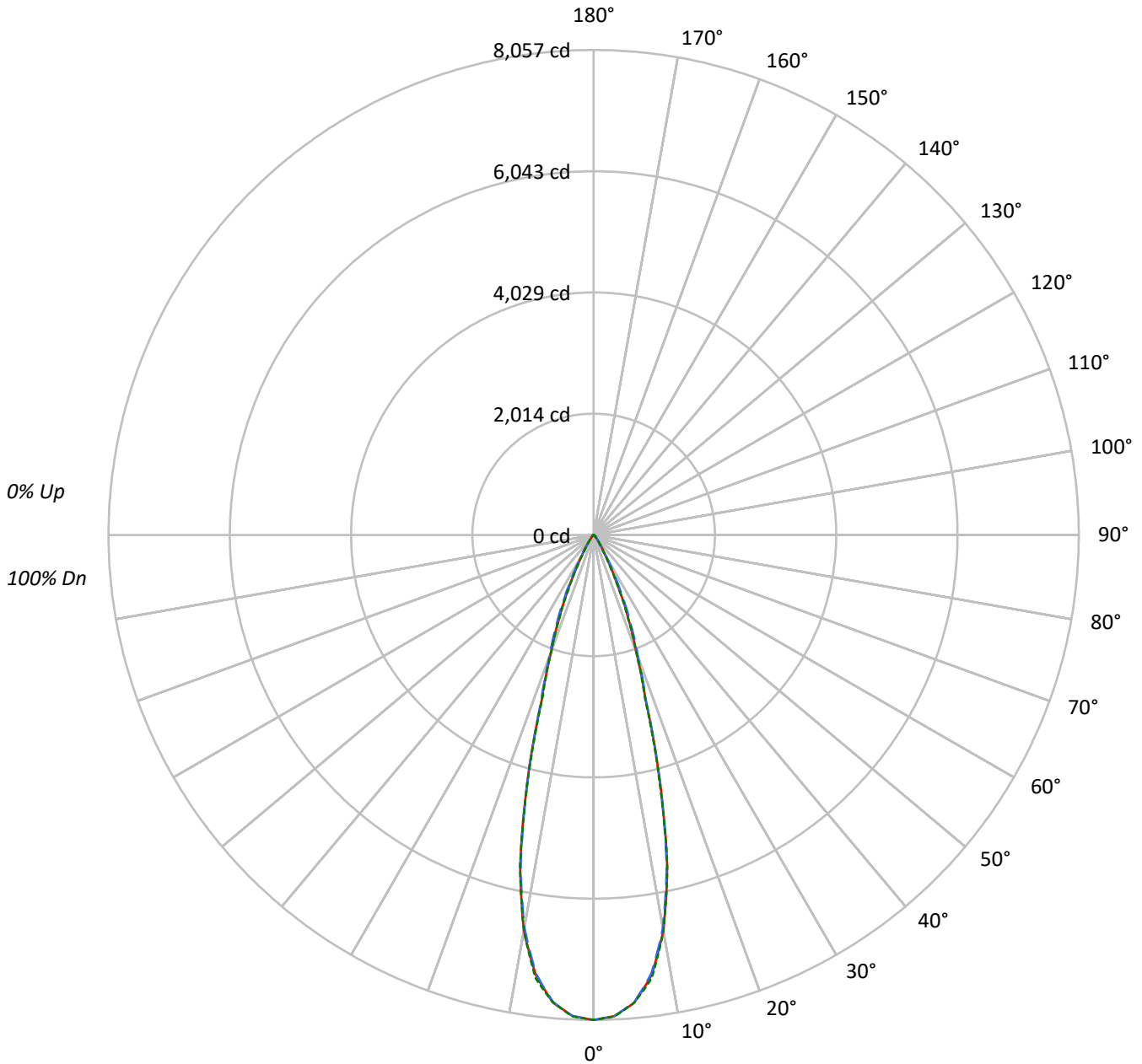
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	616687	616687	616687
5°	598981	598282	599012
10°	518809	515148	518685
15°	338497	336682	334986
20°	168320	174633	168092
25°	84786	95613	83054
30°	33949	36989	29574
35°	15745	15082	12643
40°	6795	7554	6405
45°	4795	5954	4839
50°	1643	4335	1739
55°	947	1788	1001
60°	674	781	674
65°	435	435	435
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5954 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.5	28.3
10°-20°	1141.0	45.5
20°-30°	493.1	19.7
30°-40°	112.4	4.5
40°-50°	38.6	1.5
50°-60°	9.4	0.4
60°-70°	2.5	0.1
70°-80°	0.3	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°	2342.5	93.5
0°-40°	2454.9	98.0
0°-60°	2502.9	99.9
0°-90°	2505.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2505.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8057	8057	8057	8057	8057	
5°	7796	7788	7786	7803	7796	709
15°	4272	4220	4249	4235	4227	1144
25°	1004	1042	1132	1015	983	481
35°	168	172	161	160	135	114
45°	44	55	55	55	45	31
55°	7	8	13	8	8	7
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8056.7	8056.7	8056.7	8056.7	8056.7
2.5°	8003.3	7997.8	8000.9	8004.9	8006.5
5°	7795.6	7788.1	7786.5	7802.7	7796.0
7.5°	7376.7	7366.0	7349.8	7386.6	7421.0
10°	6675.0	6663.1	6627.9	6645.3	6673.4
12.5°	5639.0	5600.7	5599.9	5655.3	5647.8
15°	4271.6	4220.2	4248.7	4234.8	4227.3
17.5°	2872.5	2852.8	2890.7	2879.3	2829.8
20°	2066.4	2071.5	2143.9	2107.5	2063.6
22.5°	1507.9	1526.5	1612.3	1518.5	1484.1
25°	1003.9	1041.9	1132.1	1015.4	983.4
27.5°	617.5	634.9	726.2	609.6	592.1
30°	384.1	375.4	418.5	359.2	334.6
32.5°	252.0	240.9	254.7	228.6	208.9
35°	168.5	172.1	161.4	160.2	135.3
37.5°	105.2	121.0	106.8	113.9	87.0
40°	68.0	87.8	75.6	83.5	64.1
42.5°	55.8	67.6	62.1	66.1	57.0
45°	44.3	55.0	55.0	55.0	44.7
47.5°	24.5	36.8	47.1	37.6	26.1
50°	13.8	18.6	36.4	19.4	14.6
52.5°	9.5	10.7	24.9	11.1	9.9
55°	7.1	7.5	13.4	7.9	7.5
57.5°	5.5	5.9	7.1	5.9	5.5
60°	4.4	4.4	5.1	4.7	4.4
62.5°	3.2	3.2	3.6	3.2	3.2
65°	2.4	2.4	2.4	2.4	2.4
67.5°	1.2	1.6	1.6	1.6	1.6
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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