

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: P789585

Luminaire Tested: LER6D15D010-EC6DR300215IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789585
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-EC6DR300215IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 2630.9 lumens
Efficiency: N/A
Efficacy: 166.5 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

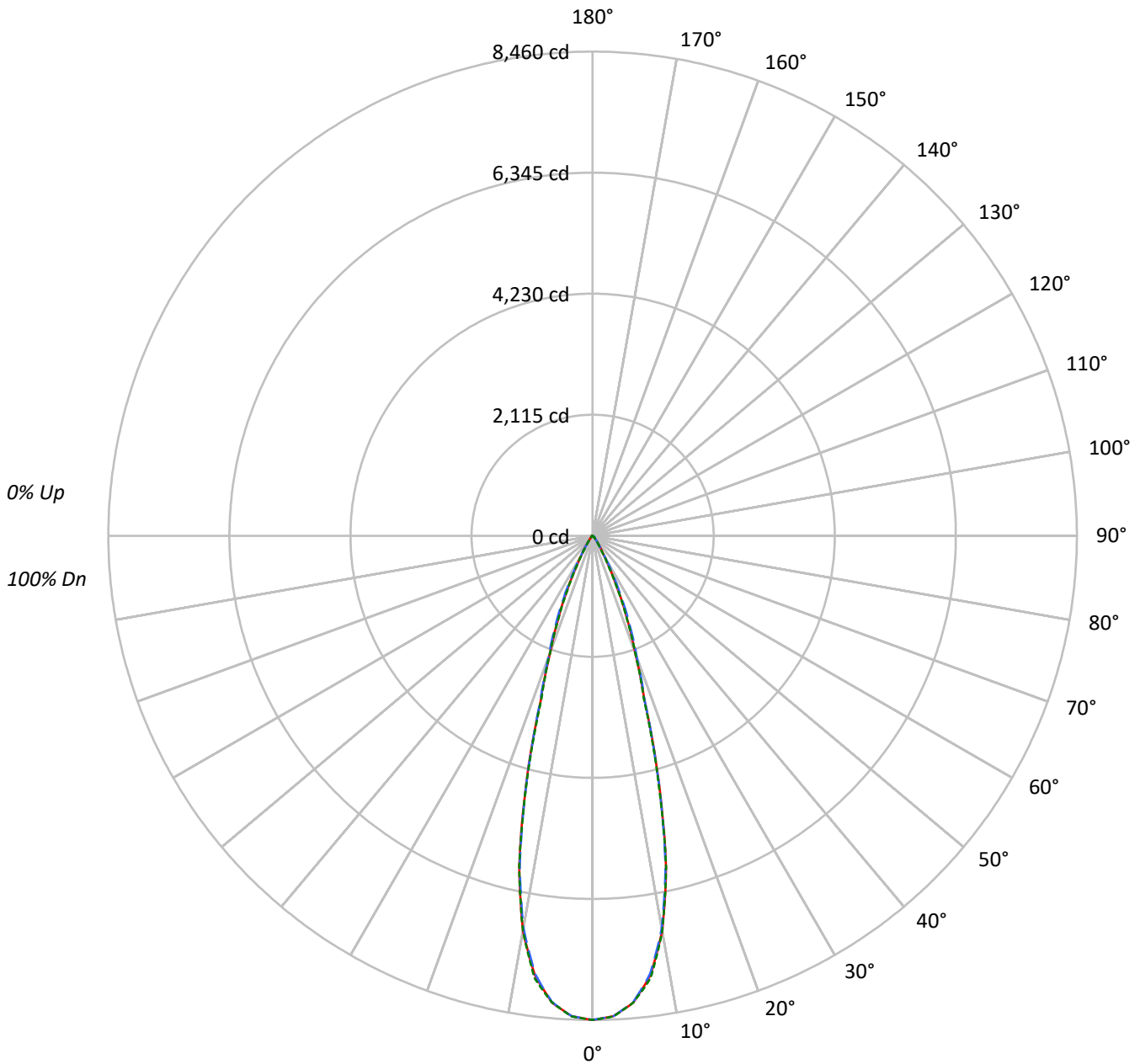


Downlight

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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°	647519	647519	647519
5°	628932	628202	628962
10°	544753	540906	544621
15°	355423	353513	351738
20°	176735	183365	176498
25°	89025	100393	87201
30°	35646	38836	31058
35°	16530	15838	13269
40°	7134	7924	6725
45°	5034	6246	5077
50°	1727	4549	1834
55°	1001	1882	1054
60°	704	827	704
65°	453	453	453
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: 6246 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.9	28.3
10°-20°	1198.0	45.5
20°-30°	517.7	19.7
30°-40°	118.0	4.5
40°-50°	40.5	1.5
50°-60°	9.9	0.4
60°-70°	2.6	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°	2459.6	93.5
0°-40°	2577.6	98.0
0°-60°	2628.0	99.9
0°-90°	2630.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2630.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8460	8460	8460	8460	8460	
5°	8185	8178	8176	8193	8186	745
15°	4485	4431	4461	4447	4439	1201
25°	1054	1094	1189	1066	1032	505
35°	177	181	170	168	142	120
45°	46	58	58	58	47	33
55°	8	8	14	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°	8459.5	8459.5	8459.5	8459.5	8459.5
2.5°	8403.5	8397.6	8401.0	8405.1	8406.8
5°	8185.4	8177.5	8175.9	8192.9	8185.8
7.5°	7745.6	7734.4	7717.3	7755.9	7792.1
10°	7008.8	6996.3	6959.3	6977.6	7007.1
12.5°	5921.0	5880.7	5879.9	5938.0	5930.1
15°	4485.2	4431.2	4461.1	4446.6	4438.7
17.5°	3016.2	2995.4	3035.3	3023.2	2971.3
20°	2169.7	2175.1	2251.1	2212.9	2166.8
22.5°	1583.3	1602.8	1692.9	1594.5	1558.3
25°	1054.1	1094.0	1188.7	1066.2	1032.5
27.5°	648.3	666.6	762.6	640.0	621.8
30°	403.3	394.2	439.4	377.1	351.4
32.5°	264.6	252.9	267.5	240.1	219.3
35°	176.9	180.7	169.5	168.2	142.0
37.5°	110.5	127.1	112.1	119.6	91.4
40°	71.4	92.2	79.3	87.6	67.3
42.5°	58.6	71.0	65.2	69.4	59.8
45°	46.5	57.7	57.7	57.7	46.9
47.5°	25.8	38.6	49.4	39.5	27.4
50°	14.5	19.5	38.2	20.4	15.4
52.5°	10.0	11.2	26.2	11.6	10.4
55°	7.5	7.9	14.1	8.3	7.9
57.5°	5.8	6.2	7.5	6.2	5.8
60°	4.6	4.6	5.4	5.0	4.6
62.5°	3.3	3.3	3.7	3.3	3.3
65°	2.5	2.5	2.5	2.5	2.5
67.5°	1.2	1.7	1.7	1.7	1.7
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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