

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: P789589

Luminaire Tested: LER6D15D010-EC6DR300215IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789589
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-EC6DR300215IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2638.5 lumens
Efficiency: N/A
Efficacy: 167.0 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

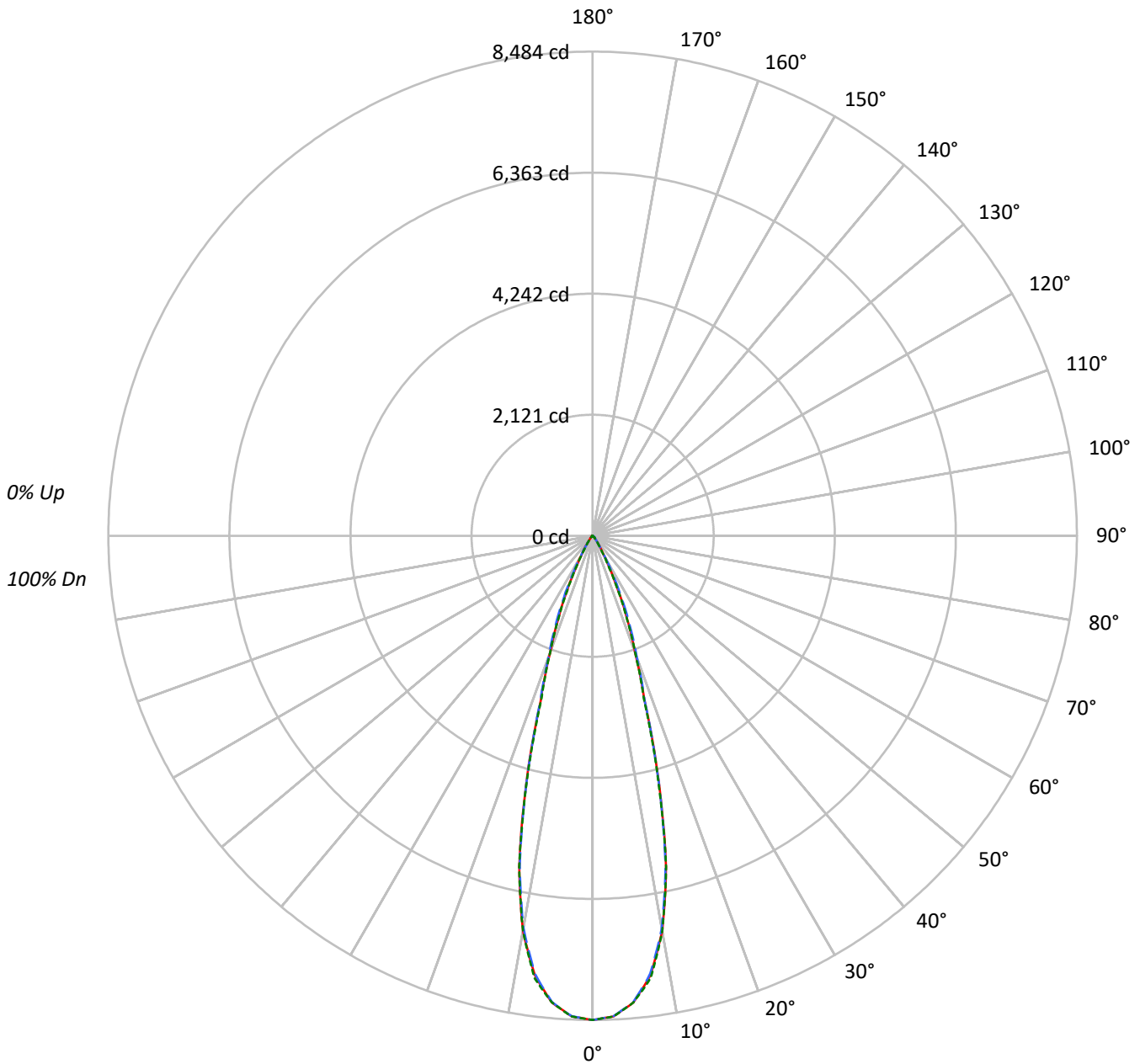


Downlight

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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°	649394	649394	649394
5°	630753	630015	630783
10°	546323	542476	546199
15°	356453	354536	352753
20°	177248	183895	177012
25°	89287	100680	87454
30°	35752	38951	31147
35°	16577	15876	13316
40°	7154	7954	6745
45°	5055	6268	5099
50°	1739	4561	1834
55°	1001	1895	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: 6268 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.0	28.3
10°-20°	1201.5	45.5
20°-30°	519.2	19.7
30°-40°	118.3	4.5
40°-50°	40.6	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°	2466.7	93.5
0°-40°	2585.1	98.0
0°-60°	2635.6	99.9
0°-90°	2638.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2638.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8484	8484	8484	8484	8484	
5°	8209	8201	8200	8217	8210	747
15°	4498	4444	4474	4459	4452	1204
25°	1057	1097	1192	1069	1036	506
35°	177	181	170	169	142	120
45°	47	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°	8484.0	8484.0	8484.0	8484.0	8484.0
2.5°	8427.8	8421.9	8425.3	8429.4	8431.1
5°	8209.1	8201.2	8199.5	8216.6	8209.5
7.5°	7768.0	7756.7	7739.6	7778.4	7814.6
10°	7029.0	7016.5	6979.5	6997.8	7027.4
12.5°	5938.1	5897.7	5896.9	5955.2	5947.3
15°	4498.2	4444.0	4474.0	4459.4	4451.5
17.5°	3024.9	3004.1	3044.0	3032.0	2979.9
20°	2176.0	2181.4	2257.6	2219.3	2173.1
22.5°	1587.8	1607.4	1697.8	1599.1	1562.8
25°	1057.2	1097.2	1192.1	1069.2	1035.5
27.5°	650.2	668.5	764.8	641.9	623.6
30°	404.5	395.3	440.7	378.2	352.4
32.5°	265.3	253.7	268.2	240.8	219.9
35°	177.4	181.2	169.9	168.7	142.5
37.5°	110.8	127.5	112.5	120.0	91.6
40°	71.6	92.5	79.6	87.9	67.5
42.5°	58.7	71.2	65.4	69.6	60.0
45°	46.7	57.9	57.9	57.9	47.1
47.5°	25.8	38.7	49.6	39.6	27.5
50°	14.6	19.6	38.3	20.4	15.4
52.5°	10.0	11.2	26.2	11.7	10.4
55°	7.5	7.9	14.2	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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(END OF REPORT)