

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: P789583

Luminaire Tested: LER6D15D010-EC6DR300215IC9030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789583
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-EC6DR300215IC9030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2349.2 lumens
Efficiency: N/A
Efficacy: 148.7 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

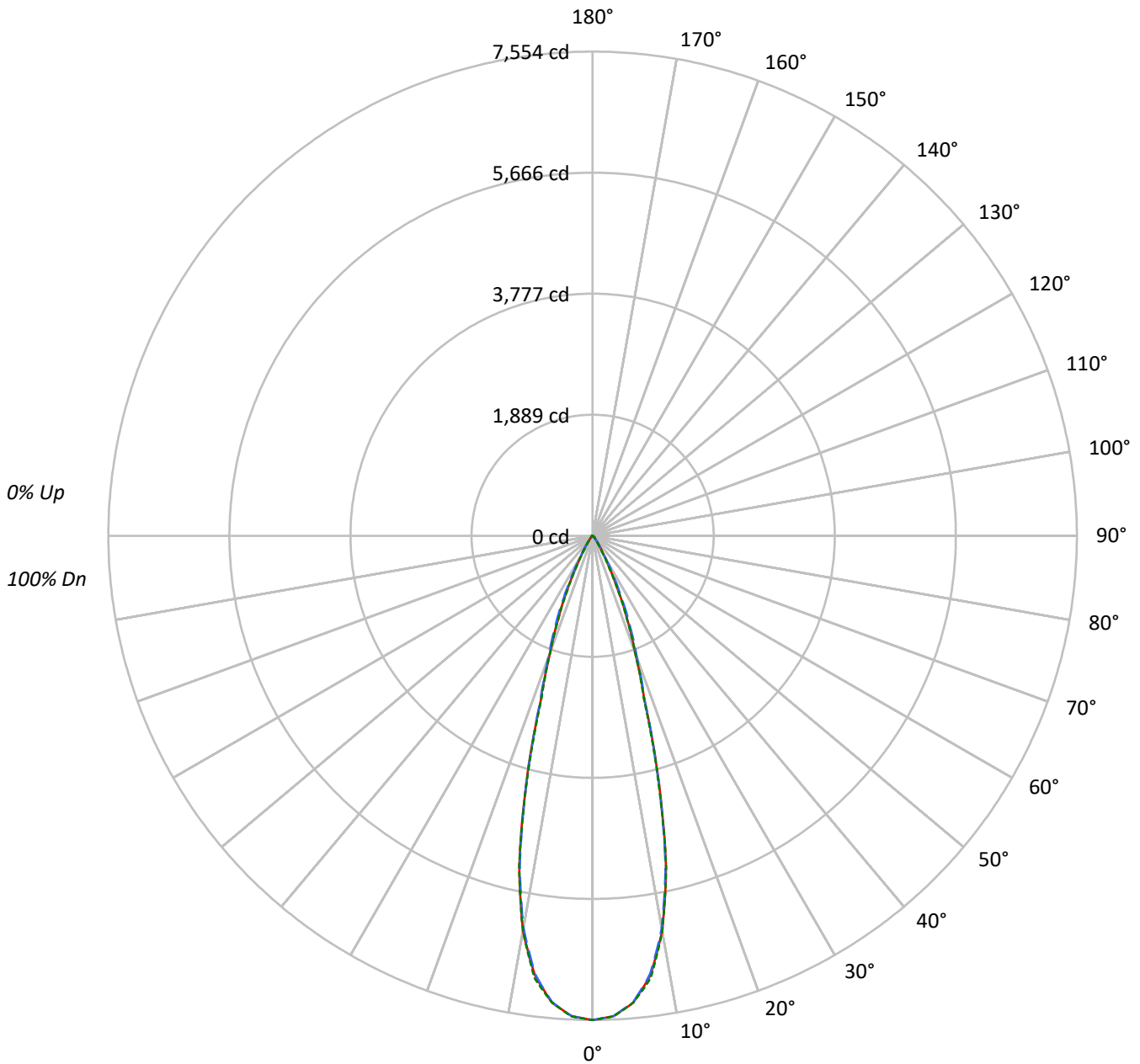
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	578194	578194	578194
5°	561593	560940	561623
10°	486421	482994	486313
15°	317370	315667	314074
20°	157812	163734	157601
25°	79499	89642	77869
30°	31827	34682	27735
35°	14764	14138	11848
40°	6375	7074	6005
45°	4492	5586	4536
50°	1548	4061	1631
55°	894	1681	934
60°	628	735	628
65°	398	398	398
70°	246	157	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5586 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.2	28.3
10°-20°	1069.8	45.5
20°-30°	462.3	19.7
30°-40°	105.4	4.5
40°-50°	36.2	1.5
50°-60°	8.8	0.4
60°-70°	2.3	0.1
70°-80°	0.2	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°	2196.3	93.5
0°-40°	2301.6	98.0
0°-60°	2346.7	99.9
0°-90°	2349.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2349.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7554	7554	7554	7554	7554	
5°	7309	7302	7300	7316	7309	665
15°	4005	3957	3984	3970	3963	1072
25°	941	977	1061	952	922	451
35°	158	161	151	150	127	107
45°	42	52	52	52	42	29
55°	7	7	13	7	7	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°	7553.8	7553.8	7553.8	7553.8	7553.8
2.5°	7503.7	7498.5	7501.5	7505.2	7506.7
5°	7309.0	7302.0	7300.5	7315.7	7309.4
7.5°	6916.3	6906.3	6891.0	6925.5	6957.8
10°	6258.3	6247.2	6214.2	6230.5	6256.9
12.5°	5287.1	5251.1	5250.3	5302.3	5295.2
15°	4005.0	3956.8	3983.5	3970.5	3963.4
17.5°	2693.2	2674.7	2710.3	2699.5	2653.2
20°	1937.4	1942.2	2010.1	1976.0	1934.8
22.5°	1413.7	1431.2	1511.6	1423.8	1391.5
25°	941.3	976.9	1061.4	952.0	922.0
27.5°	578.9	595.2	680.9	571.5	555.2
30°	360.1	352.0	392.4	336.7	313.8
32.5°	236.2	225.9	238.8	214.4	195.8
35°	158.0	161.3	151.3	150.2	126.8
37.5°	98.7	113.5	100.1	106.8	81.6
40°	63.8	82.3	70.8	78.3	60.1
42.5°	52.3	63.4	58.2	61.9	53.4
45°	41.5	51.6	51.6	51.6	41.9
47.5°	23.0	34.5	44.1	35.2	24.5
50°	13.0	17.4	34.1	18.2	13.7
52.5°	8.9	10.0	23.4	10.4	9.3
55°	6.7	7.0	12.6	7.4	7.0
57.5°	5.2	5.6	6.7	5.6	5.2
60°	4.1	4.1	4.8	4.5	4.1
62.5°	3.0	3.0	3.3	3.0	3.0
65°	2.2	2.2	2.2	2.2	2.2
67.5°	1.1	1.5	1.5	1.5	1.5
70°	1.1	0.7	0.7	0.7	1.1
72.5°	0.7	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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