

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: P789600

Luminaire Tested: LER6D15D010-EC6DR300215IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789600
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-EC6DR300215IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2854.2 lumens
Efficiency: N/A
Efficacy: 180.6 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

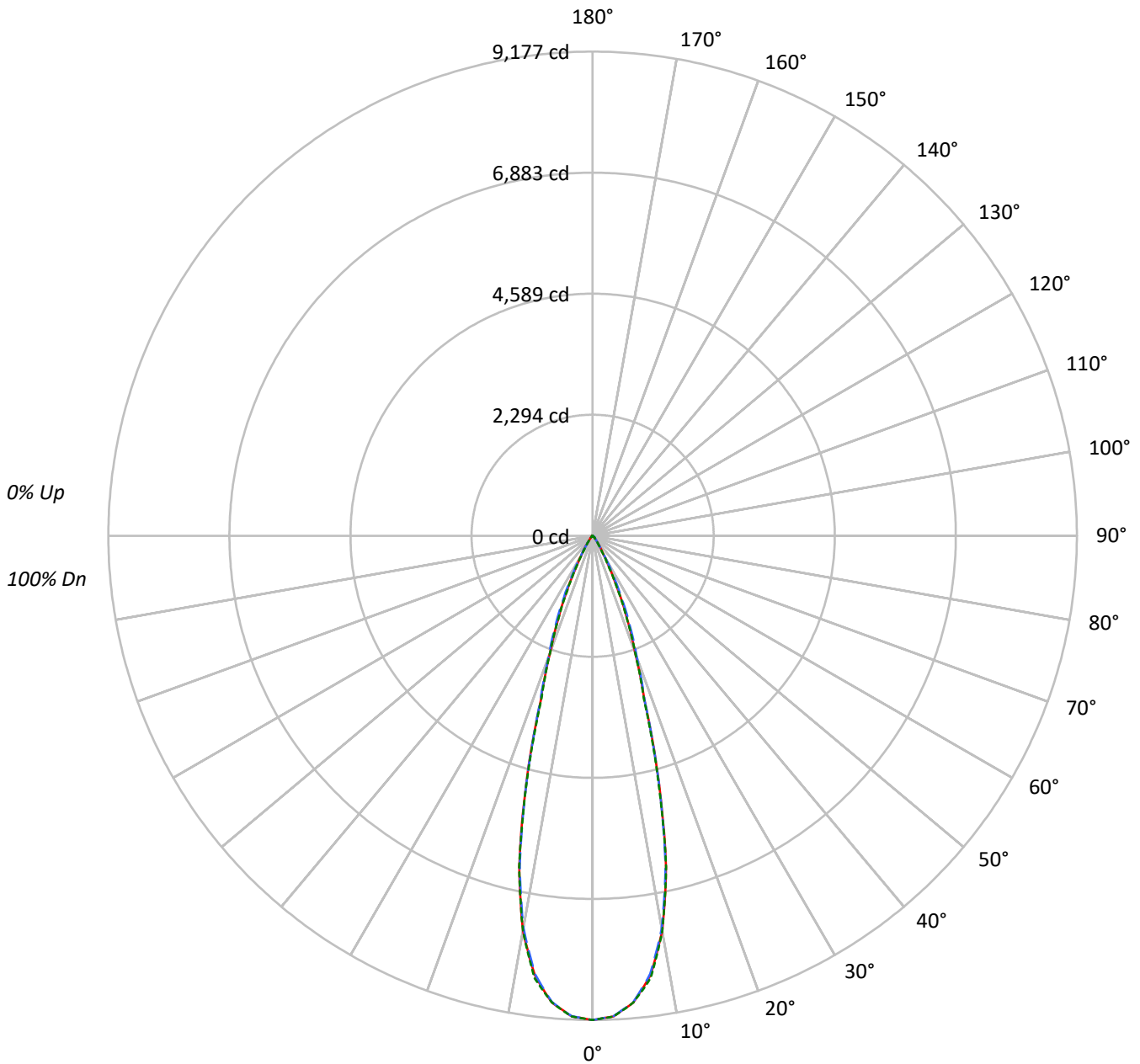
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	702469	702469	702469
5°	682309	681510	682340
10°	590984	586810	590844
15°	385583	383515	381589
20°	191731	198931	191478
25°	96584	108915	94599
30°	38668	42133	33692
35°	17932	17175	14399
40°	7744	8603	7294
45°	5467	6776	5510
50°	1881	4942	1989
55°	1081	2042	1148
60°	765	903	765
65°	489	489	489
70°	313	201	313
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6776 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.0	28.3
10°-20°	1299.7	45.5
20°-30°	561.6	19.7
30°-40°	128.0	4.5
40°-50°	43.9	1.5
50°-60°	10.8	0.4
60°-70°	2.8	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°	2668.4	93.5
0°-40°	2796.4	98.0
0°-60°	2851.1	99.9
0°-90°	2854.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2854.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9177	9177	9177	9177	9177	
5°	8880	8872	8870	8888	8880	808
15°	4866	4807	4840	4824	4815	1303
25°	1144	1187	1290	1157	1120	547
35°	192	196	184	182	154	130
45°	50	63	63	63	51	36
55°	8	9	15	9	9	8
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	9177.4	9177.4	9177.4	9177.4	9177.4
2.5°	9116.6	9110.3	9113.9	9118.4	9120.2
5°	8880.1	8871.5	8869.7	8888.2	8880.5
7.5°	8402.9	8390.7	8372.3	8414.2	8453.4
10°	7603.6	7590.0	7549.9	7569.8	7601.8
12.5°	6423.5	6379.8	6378.9	6442.0	6433.4
15°	4865.8	4807.3	4839.7	4823.9	4815.4
17.5°	3272.1	3249.6	3292.8	3279.8	3223.5
20°	2353.8	2359.7	2442.2	2400.7	2350.7
22.5°	1717.6	1738.8	1836.6	1729.8	1690.6
25°	1143.6	1186.8	1289.6	1156.6	1120.1
27.5°	703.4	723.2	827.3	694.3	674.5
30°	437.5	427.6	476.7	409.1	381.2
32.5°	287.0	274.4	290.2	260.4	237.9
35°	191.9	196.0	183.8	182.5	154.1
37.5°	119.9	137.9	121.7	129.8	99.1
40°	77.5	100.0	86.1	95.1	73.0
42.5°	63.5	77.0	70.7	75.2	64.9
45°	50.5	62.6	62.6	62.6	50.9
47.5°	27.9	41.9	53.6	42.8	29.7
50°	15.8	21.2	41.5	22.1	16.7
52.5°	10.8	12.2	28.4	12.6	11.3
55°	8.1	8.6	15.3	9.0	8.6
57.5°	6.3	6.8	8.1	6.8	6.3
60°	5.0	5.0	5.9	5.4	5.0
62.5°	3.6	3.6	4.1	3.6	3.6
65°	2.7	2.7	2.7	2.7	2.7
67.5°	1.4	1.8	1.8	1.8	1.8
70°	1.4	0.9	0.9	0.9	1.4
72.5°	0.9	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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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