

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: P789604

Luminaire Tested: LER6D15D010-EC6DR300215IC9050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789604
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-EC6DR300215IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2679.4 lumens
Efficiency: N/A
Efficacy: 169.6 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

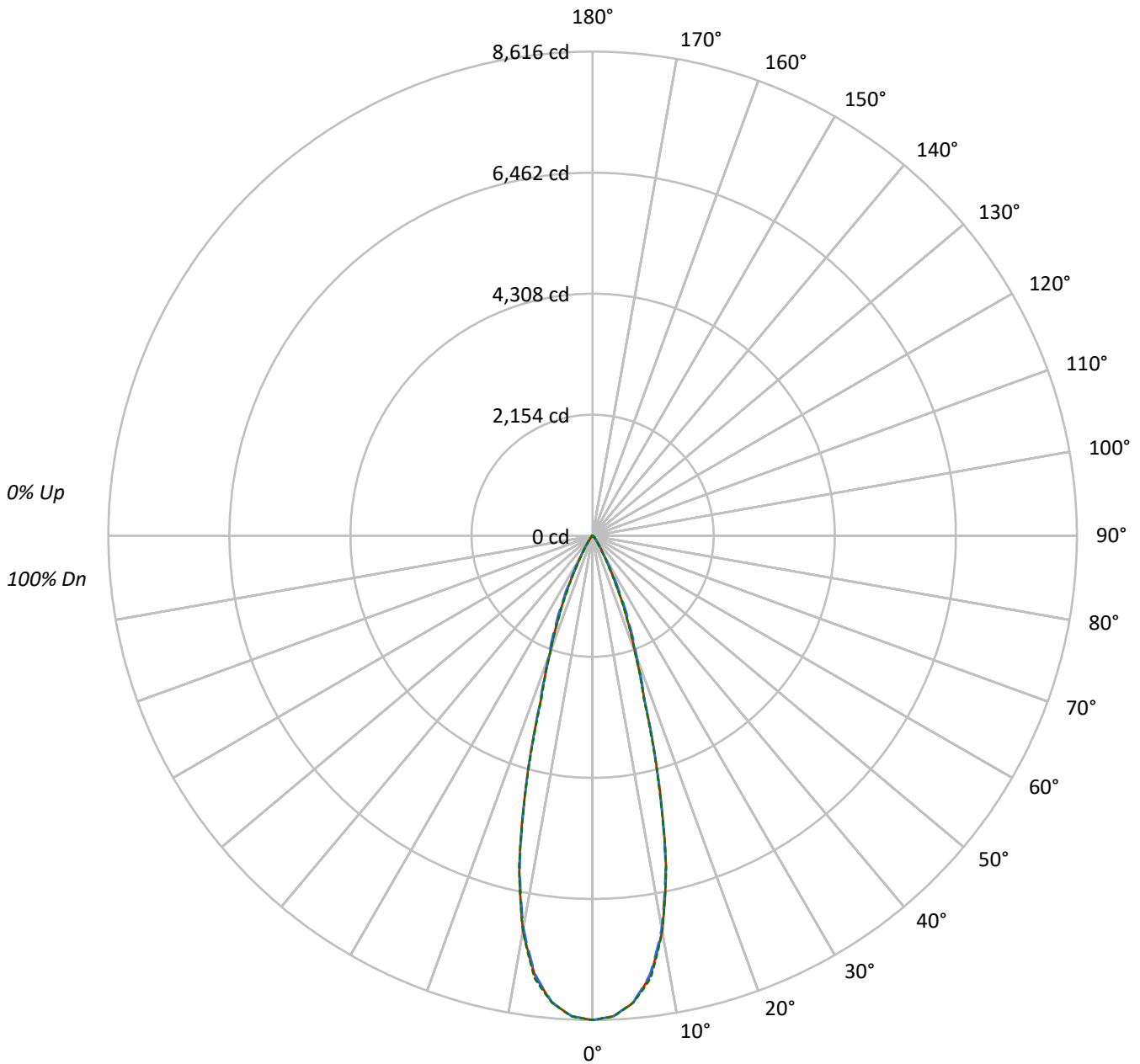
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	659483	659483	659483
5°	640549	639796	640580
10°	554811	550901	554679
15°	361985	360043	358236
20°	180001	186754	179757
25°	90672	102243	88814
30°	36300	39552	31633
35°	16838	16128	13521
40°	7274	8074	6845
45°	5131	6365	5174
50°	1762	4632	1870
55°	1014	1922	1068
60°	720	842	720
65°	453	453	453
70°	291	179	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6365 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.6	28.3
10°-20°	1220.2	45.5
20°-30°	527.3	19.7
30°-40°	120.2	4.5
40°-50°	41.3	1.5
50°-60°	10.1	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°	2505.1	93.5
0°-40°	2625.2	98.0
0°-60°	2676.6	99.9
0°-90°	2679.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2679.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8616	8616	8616	8616	8616	
5°	8337	8328	8327	8344	8337	758
15°	4568	4513	4544	4529	4521	1223
25°	1074	1114	1211	1086	1052	514
35°	180	184	173	171	145	122
45°	47	59	59	59	48	34
55°	8	8	14	8	8	7
65°	2	2	2	2	2	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°	8615.8	8615.8	8615.8	8615.8	8615.8
2.5°	8558.7	8552.7	8556.1	8560.3	8562.0
5°	8336.6	8328.5	8326.8	8344.2	8337.0
7.5°	7888.6	7877.2	7859.8	7899.2	7936.0
10°	7138.2	7125.5	7087.9	7106.5	7136.5
12.5°	6030.4	5989.3	5988.5	6047.7	6039.7
15°	4568.0	4513.0	4543.5	4528.7	4520.7
17.5°	3071.9	3050.7	3091.3	3079.1	3026.2
20°	2209.8	2215.3	2292.7	2253.8	2206.8
22.5°	1612.5	1632.4	1724.2	1623.9	1587.1
25°	1073.6	1114.2	1210.6	1085.9	1051.6
27.5°	660.3	678.9	776.6	651.9	633.2
30°	410.7	401.4	447.5	384.1	357.9
32.5°	269.5	257.6	272.4	244.5	223.3
35°	180.2	184.0	172.6	171.3	144.7
37.5°	112.5	129.4	114.2	121.8	93.1
40°	72.8	93.9	80.8	89.3	68.5
42.5°	59.6	72.3	66.4	70.6	60.9
45°	47.4	58.8	58.8	58.8	47.8
47.5°	26.2	39.3	50.3	40.2	27.9
50°	14.8	19.9	38.9	20.7	15.7
52.5°	10.2	11.4	26.6	11.8	10.6
55°	7.6	8.0	14.4	8.5	8.0
57.5°	5.9	6.3	7.6	6.3	5.9
60°	4.7	4.7	5.5	5.1	4.7
62.5°	3.4	3.4	3.8	3.4	3.4
65°	2.5	2.5	2.5	2.5	2.5
67.5°	1.3	1.7	1.7	1.7	1.7
70°	1.3	0.8	0.8	0.8	1.3
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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