

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: P789593

Luminaire Tested: LER6D15D010-EC6DR300215IC9035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789593
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-EC6DR300215IC9035-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 2777.3 lumens
Efficiency: N/A
Efficacy: 175.8 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

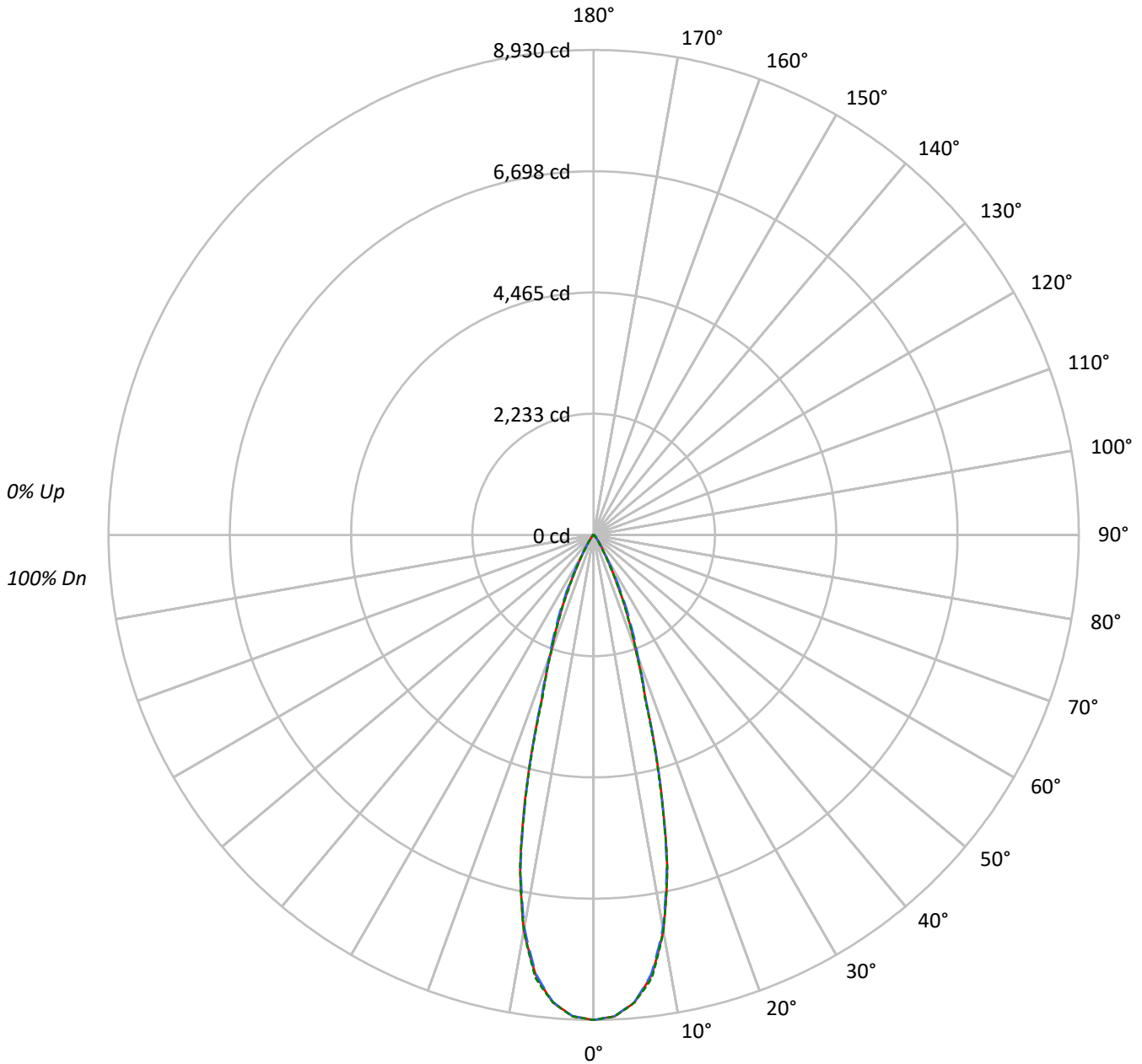
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	683571	683571	683571
5°	663946	663170	663984
10°	575081	571024	574941
15°	375210	373198	371319
20°	186574	193572	186322
25°	93983	105984	92057
30°	37625	41002	32782
35°	17455	16717	14016
40°	7534	8363	7094
45°	5315	6592	5358
50°	1822	4799	1929
55°	1054	1988	1108
60°	735	873	735
65°	471	471	471
70°	291	201	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: 6592 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.3	28.3
10°-20°	1264.7	45.5
20°-30°	546.5	19.7
30°-40°	124.6	4.5
40°-50°	42.8	1.5
50°-60°	10.4	0.4
60°-70°	2.7	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°	2596.6	93.5
0°-40°	2721.1	98.0
0°-60°	2774.3	99.9
0°-90°	2777.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2777.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8930	8930	8930	8930	8930	
5°	8641	8633	8631	8649	8642	786
15°	4735	4678	4710	4694	4686	1268
25°	1113	1155	1255	1126	1090	533
35°	187	191	179	178	150	127
45°	49	61	61	61	50	35
55°	8	8	15	9	8	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°	8930.5	8930.5	8930.5	8930.5	8930.5
2.5°	8871.3	8865.2	8868.7	8873.1	8874.8
5°	8641.1	8632.8	8631.0	8649.0	8641.6
7.5°	8176.8	8165.0	8147.0	8187.8	8225.9
10°	7399.0	7385.8	7346.8	7366.1	7397.2
12.5°	6250.7	6208.1	6207.3	6268.6	6260.3
15°	4734.9	4677.9	4709.5	4694.1	4685.8
17.5°	3184.1	3162.2	3204.3	3191.5	3136.7
20°	2290.5	2296.2	2376.4	2336.1	2287.4
22.5°	1671.4	1692.0	1787.2	1683.2	1645.1
25°	1112.8	1154.9	1254.9	1125.5	1090.0
27.5°	684.4	703.7	805.0	675.7	656.4
30°	425.7	416.1	463.9	398.1	370.9
32.5°	279.3	267.0	282.4	253.4	231.5
35°	186.8	190.7	178.9	177.6	150.0
37.5°	116.6	134.2	118.4	126.3	96.5
40°	75.4	97.3	83.7	92.5	71.0
42.5°	61.8	75.0	68.8	73.2	63.1
45°	49.1	60.9	60.9	60.9	49.5
47.5°	27.2	40.8	52.2	41.7	28.9
50°	15.3	20.6	40.3	21.5	16.2
52.5°	10.5	11.8	27.6	12.3	11.0
55°	7.9	8.3	14.9	8.8	8.3
57.5°	6.1	6.6	7.9	6.6	6.1
60°	4.8	4.8	5.7	5.3	4.8
62.5°	3.5	3.5	3.9	3.5	3.5
65°	2.6	2.6	2.6	2.6	2.6
67.5°	1.3	1.8	1.8	1.8	1.8
70°	1.3	0.9	0.9	0.9	1.3
72.5°	0.9	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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