

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: P789565

Luminaire Tested: LER6D15D010-EC6DR300215IC9024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789565
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-EC6DR300215IC9024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2180.5 lumens
Efficiency: N/A
Efficacy: 138.0 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

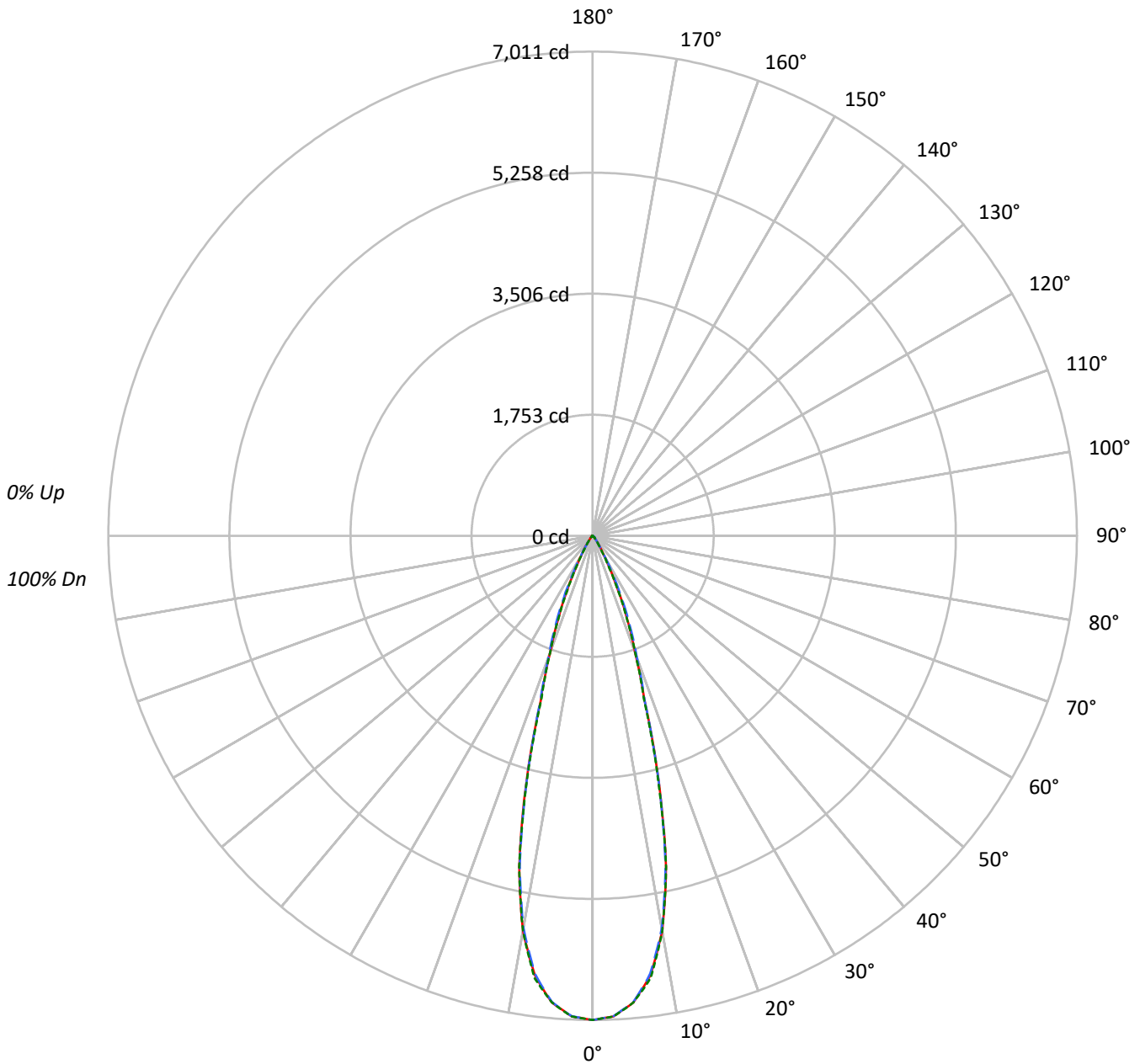
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	536669	536669	536669
5°	521269	520655	521292
10°	451492	448313	451391
15°	294580	292995	291521
20°	146482	151972	146286
25°	73789	83206	72278
30°	29547	32190	25738
35°	13699	13119	10998
40°	5915	6565	5576
45°	4178	5174	4211
50°	1429	3775	1512
55°	827	1561	867
60°	582	689	582
65°	380	380	380
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5174 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.5	28.3
10°-20°	992.9	45.5
20°-30°	429.1	19.7
30°-40°	97.8	4.5
40°-50°	33.6	1.5
50°-60°	8.2	0.4
60°-70°	2.1	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°	2038.6	93.5
0°-40°	2136.4	98.0
0°-60°	2178.1	99.9
0°-90°	2180.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2180.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7011	7011	7011	7011	7011	
5°	6784	6778	6776	6790	6784	617
15°	3717	3673	3697	3685	3679	995
25°	874	907	985	884	856	418
35°	147	150	140	139	118	99
45°	39	48	48	48	39	27
55°	6	6	12	7	6	6
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7011.3	7011.3	7011.3	7011.3	7011.3
2.5°	6964.9	6960.1	6962.8	6966.2	6967.6
5°	6784.2	6777.6	6776.2	6790.3	6784.5
7.5°	6419.6	6410.3	6396.2	6428.2	6458.2
10°	5808.9	5798.6	5768.0	5783.1	5807.6
12.5°	4907.4	4874.0	4873.3	4921.5	4915.0
15°	3717.4	3672.6	3697.4	3685.4	3678.8
17.5°	2499.8	2482.6	2515.7	2505.7	2462.6
20°	1798.3	1802.7	1865.7	1834.1	1795.9
22.5°	1312.2	1328.4	1403.1	1321.5	1291.6
25°	873.7	906.7	985.2	883.6	855.8
27.5°	537.3	552.5	632.0	530.5	515.3
30°	334.3	326.7	364.2	312.6	291.2
32.5°	219.3	209.6	221.7	199.0	181.8
35°	146.6	149.7	140.4	139.4	117.7
37.5°	91.6	105.3	92.9	99.1	75.7
40°	59.2	76.4	65.7	72.6	55.8
42.5°	48.5	58.9	54.0	57.5	49.6
45°	38.6	47.8	47.8	47.8	38.9
47.5°	21.3	32.0	41.0	32.7	22.7
50°	12.0	16.2	31.7	16.9	12.7
52.5°	8.3	9.3	21.7	9.6	8.6
55°	6.2	6.5	11.7	6.9	6.5
57.5°	4.8	5.2	6.2	5.2	4.8
60°	3.8	3.8	4.5	4.1	3.8
62.5°	2.8	2.8	3.1	2.8	2.8
65°	2.1	2.1	2.1	2.1	2.1
67.5°	1.0	1.4	1.4	1.4	1.4
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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