

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: P793727

Luminaire Tested: LER6D55D010-EC6DR3055659024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793727
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: LER6D55D010-EC6DR3055659024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4386.4 lumens
Efficiency: N/A
Efficacy: 75.4 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): 58.2
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

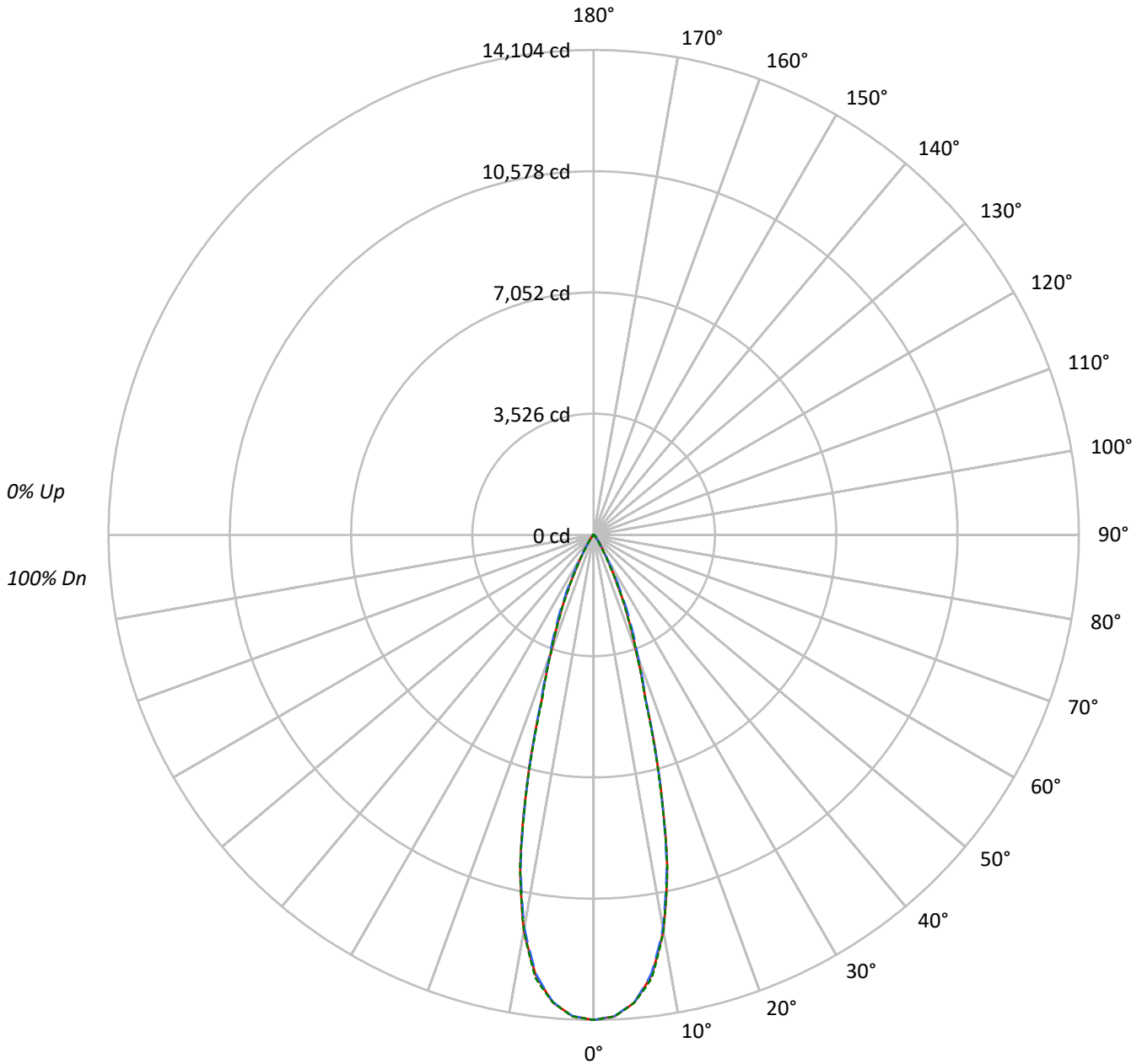


Downlight

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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°	1079606	1079606	1079606
5°	1048616	1047387	1048670
10°	908262	901857	908044
15°	592591	589414	586450
20°	294666	305728	294275
25°	148432	167384	145392
30°	59430	64751	51776
35°	27565	26397	22127
40°	11901	13219	11211
45°	8400	10424	8476
50°	2882	7585	3048
55°	1668	3136	1762
60°	1163	1378	1163
65°	761	761	761
70°	470	313	470
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 10424 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1240.3	28.3
10°-20°	1997.5	45.5
20°-30°	863.2	19.7
30°-40°	196.7	4.5
40°-50°	67.5	1.5
50°-60°	16.5	0.4
60°-70°	4.3	0.1
70°-80°	0.5	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°	4100.9	93.5
0°-40°	4297.6	98.0
0°-60°	4381.7	99.9
0°-90°	4386.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4386.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14104	14104	14104	14104	14104	
5°	13648	13634	13632	13660	13648	1241
15°	7478	7388	7438	7414	7401	2002
25°	1758	1824	1982	1778	1722	841
35°	295	301	282	280	237	200
45°	78	96	96	96	78	55
55°	12	13	24	14	13	12
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
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°	14104.5	14104.5	14104.5	14104.5	14104.5
2.5°	14011.0	14001.3	14006.9	14013.8	14016.6
5°	13647.5	13634.3	13631.5	13659.9	13648.2
7.5°	12914.1	12895.4	12867.0	12931.4	12991.7
10°	11685.7	11664.9	11603.3	11633.7	11682.9
12.5°	9872.0	9804.9	9803.5	9900.4	9887.3
15°	7478.1	7388.1	7438.0	7413.7	7400.6
17.5°	5028.8	4994.2	5060.7	5040.6	4954.0
20°	3617.5	3626.5	3753.3	3689.6	3612.7
22.5°	2639.7	2672.3	2822.6	2658.4	2598.2
25°	1757.5	1824.0	1981.9	1777.6	1721.5
27.5°	1081.0	1111.4	1271.4	1067.1	1036.6
30°	672.4	657.2	732.6	628.8	585.8
32.5°	441.1	421.7	446.0	400.3	365.6
35°	295.0	301.2	282.5	280.5	236.8
37.5°	184.2	211.9	187.0	199.4	152.3
40°	119.1	153.7	132.3	146.1	112.2
42.5°	97.6	118.4	108.7	115.6	99.7
45°	77.6	96.3	96.3	96.3	78.3
47.5°	42.9	64.4	82.4	65.8	45.7
50°	24.2	32.5	63.7	33.9	25.6
52.5°	16.6	18.7	43.6	19.4	17.3
55°	12.5	13.2	23.5	13.8	13.2
57.5°	9.7	10.4	12.5	10.4	9.7
60°	7.6	7.6	9.0	8.3	7.6
62.5°	5.5	5.5	6.2	5.5	5.5
65°	4.2	4.2	4.2	4.2	4.2
67.5°	2.1	2.8	2.8	2.8	2.8
70°	2.1	1.4	1.4	1.4	2.1
72.5°	1.4	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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