

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: P790752

Luminaire Tested: LER6D25D010-EC6DR3020359024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790752
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: LER6D25D010-EC6DR3020359024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 4216.3 lumens
Efficiency: N/A
Efficacy: 168.0 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): 25.1
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

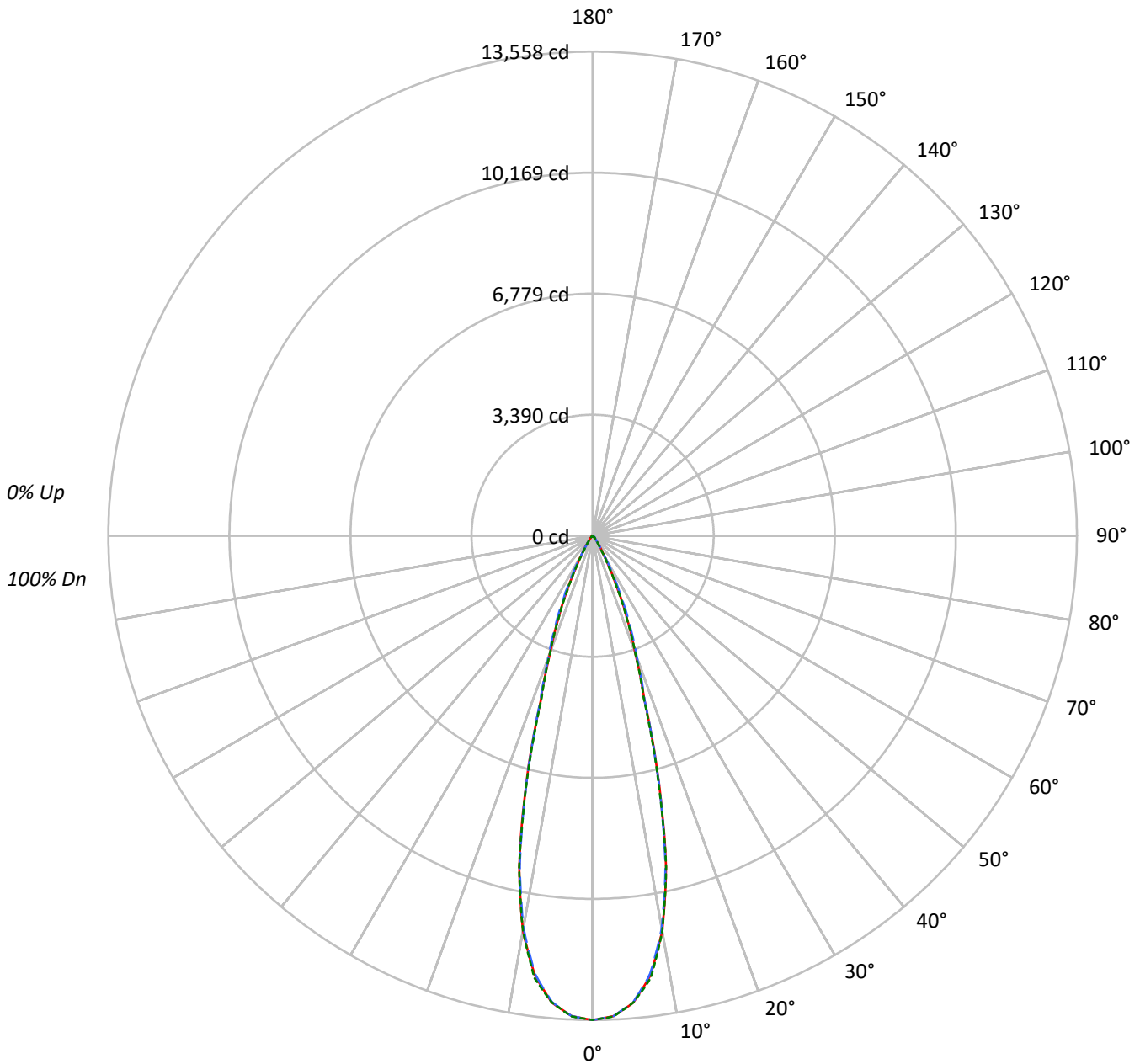


Downlight

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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°	1037745	1037745	1037745
5°	1007955	1006779	1008001
10°	873037	866881	872835
15°	569619	566552	563707
20°	283246	293868	282863
25°	142680	160889	139758
30°	57123	62241	49769
35°	26500	25379	21267
40°	11441	12700	10771
45°	8075	10013	8140
50°	2775	7288	2929
55°	1601	3016	1681
60°	1118	1332	1118
65°	724	724	724
70°	448	291	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 10013 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1192.2	28.3
10°-20°	1920.0	45.5
20°-30°	829.7	19.7
30°-40°	189.1	4.5
40°-50°	64.9	1.5
50°-60°	15.9	0.4
60°-70°	4.1	0.1
70°-80°	0.4	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°	3941.9	93.5
0°-40°	4131.0	98.0
0°-60°	4211.8	99.9
0°-90°	4216.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4216.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13558	13558	13558	13558	13558	
5°	13118	13106	13103	13130	13119	1193
15°	7188	7102	7150	7126	7114	1925
25°	1689	1753	1905	1709	1655	809
35°	284	290	272	270	228	192
45°	75	92	92	92	75	53
55°	12	13	23	13	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13557.6	13557.6	13557.6	13557.6	13557.6
2.5°	13467.7	13458.4	13463.7	13470.4	13473.0
5°	13118.3	13105.6	13103.0	13130.2	13118.9
7.5°	12413.4	12395.4	12368.1	12430.0	12487.9
10°	11232.5	11212.6	11153.3	11182.6	11229.9
12.5°	9489.2	9424.7	9423.3	9516.5	9503.9
15°	7188.2	7101.6	7149.5	7126.2	7113.6
17.5°	4833.8	4800.5	4864.4	4845.1	4761.9
20°	3477.3	3485.9	3607.7	3546.5	3472.6
22.5°	2537.4	2568.7	2713.1	2555.4	2497.4
25°	1689.4	1753.3	1905.0	1708.7	1654.8
27.5°	1039.1	1068.3	1222.1	1025.7	996.5
30°	646.3	631.7	704.2	604.4	563.1
32.5°	424.0	405.4	428.7	384.7	351.5
35°	283.6	289.5	271.6	269.6	227.6
37.5°	177.1	203.7	179.7	191.7	146.4
40°	114.5	147.8	127.1	140.4	107.8
42.5°	93.9	113.8	104.5	111.2	95.9
45°	74.6	92.5	92.5	92.5	75.2
47.5°	41.3	61.9	79.2	63.2	43.9
50°	23.3	31.3	61.2	32.6	24.6
52.5°	16.0	18.0	41.9	18.6	16.6
55°	12.0	12.6	22.6	13.3	12.6
57.5°	9.3	10.0	12.0	10.0	9.3
60°	7.3	7.3	8.7	8.0	7.3
62.5°	5.3	5.3	6.0	5.3	5.3
65°	4.0	4.0	4.0	4.0	4.0
67.5°	2.0	2.7	2.7	2.7	2.7
70°	2.0	1.3	1.3	1.3	2.0
72.5°	1.3	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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