

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: P790768

Luminaire Tested: LER6D25D010-EC6DR3020359030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790768
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-EC6DR3020359030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4832.9 lumens
Efficiency: N/A
Efficacy: 192.5 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

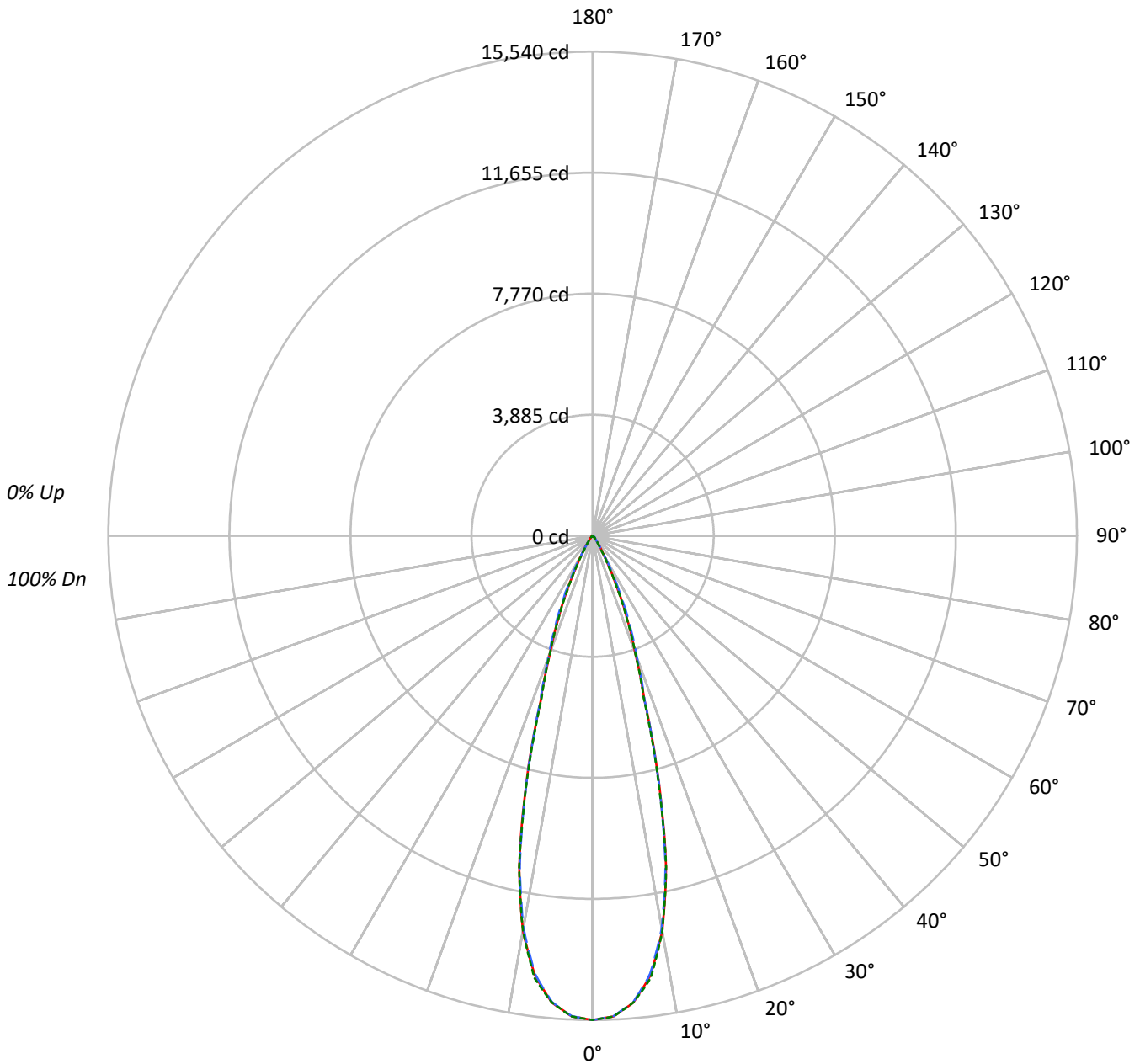


Downlight

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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°	1189484	1189484	1189484
5°	1155334	1153989	1155395
10°	1000699	993642	1000458
15°	652903	649401	646136
20°	324658	336836	324227
25°	163541	184419	160188
30°	65475	71344	57052
35°	30369	29089	24379
40°	13110	14558	12350
45°	9255	11485	9331
50°	3179	8359	3358
55°	1828	3456	1935
60°	1286	1516	1286
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11485 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1366.5	28.3
10°-20°	2200.8	45.5
20°-30°	951.0	19.7
30°-40°	216.8	4.5
40°-50°	74.4	1.5
50°-60°	18.2	0.4
60°-70°	4.7	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°	4518.3	93.5
0°-40°	4735.0	98.0
0°-60°	4827.7	99.9
0°-90°	4832.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4832.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15540	15540	15540	15540	15540	
5°	15036	15022	15019	15050	15037	1368
15°	8239	8140	8195	8168	8154	2206
25°	1936	2010	2184	1958	1897	927
35°	325	332	311	309	261	220
45°	86	106	106	106	86	61
55°	14	14	26	15	14	13
65°	5	5	5	5	5	5
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°	15540.0	15540.0	15540.0	15540.0	15540.0
2.5°	15437.0	15426.3	15432.4	15440.0	15443.1
5°	15036.4	15021.9	15018.9	15050.2	15037.2
7.5°	14228.4	14207.8	14176.6	14247.5	14313.9
10°	12875.0	12852.1	12784.2	12817.7	12871.9
12.5°	10876.8	10802.8	10801.2	10908.0	10893.5
15°	8239.2	8140.0	8195.0	8168.3	8153.8
17.5°	5540.6	5502.5	5575.7	5553.6	5458.2
20°	3985.7	3995.6	4135.2	4065.1	3980.4
22.5°	2908.4	2944.3	3109.8	2929.0	2862.6
25°	1936.4	2009.6	2183.6	1958.5	1896.7
27.5°	1191.0	1224.6	1400.8	1175.7	1142.2
30°	740.8	724.0	807.2	692.8	645.5
32.5°	486.0	464.6	491.3	441.0	402.8
35°	325.0	331.9	311.3	309.0	260.9
37.5°	202.9	233.5	206.0	219.7	167.9
40°	131.2	169.4	145.7	161.0	123.6
42.5°	107.6	130.5	119.8	127.4	109.9
45°	85.5	106.1	106.1	106.1	86.2
47.5°	47.3	71.0	90.8	72.5	50.4
50°	26.7	35.9	70.2	37.4	28.2
52.5°	18.3	20.6	48.1	21.4	19.1
55°	13.7	14.5	25.9	15.3	14.5
57.5°	10.7	11.4	13.7	11.4	10.7
60°	8.4	8.4	9.9	9.2	8.4
62.5°	6.1	6.1	6.9	6.1	6.1
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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