

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: P790786

Luminaire Tested: LER6D25D010-EC6DR3020359040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790786
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-EC6DR3020359040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4677.0 lumens
Efficiency: N/A
Efficacy: 186.3 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

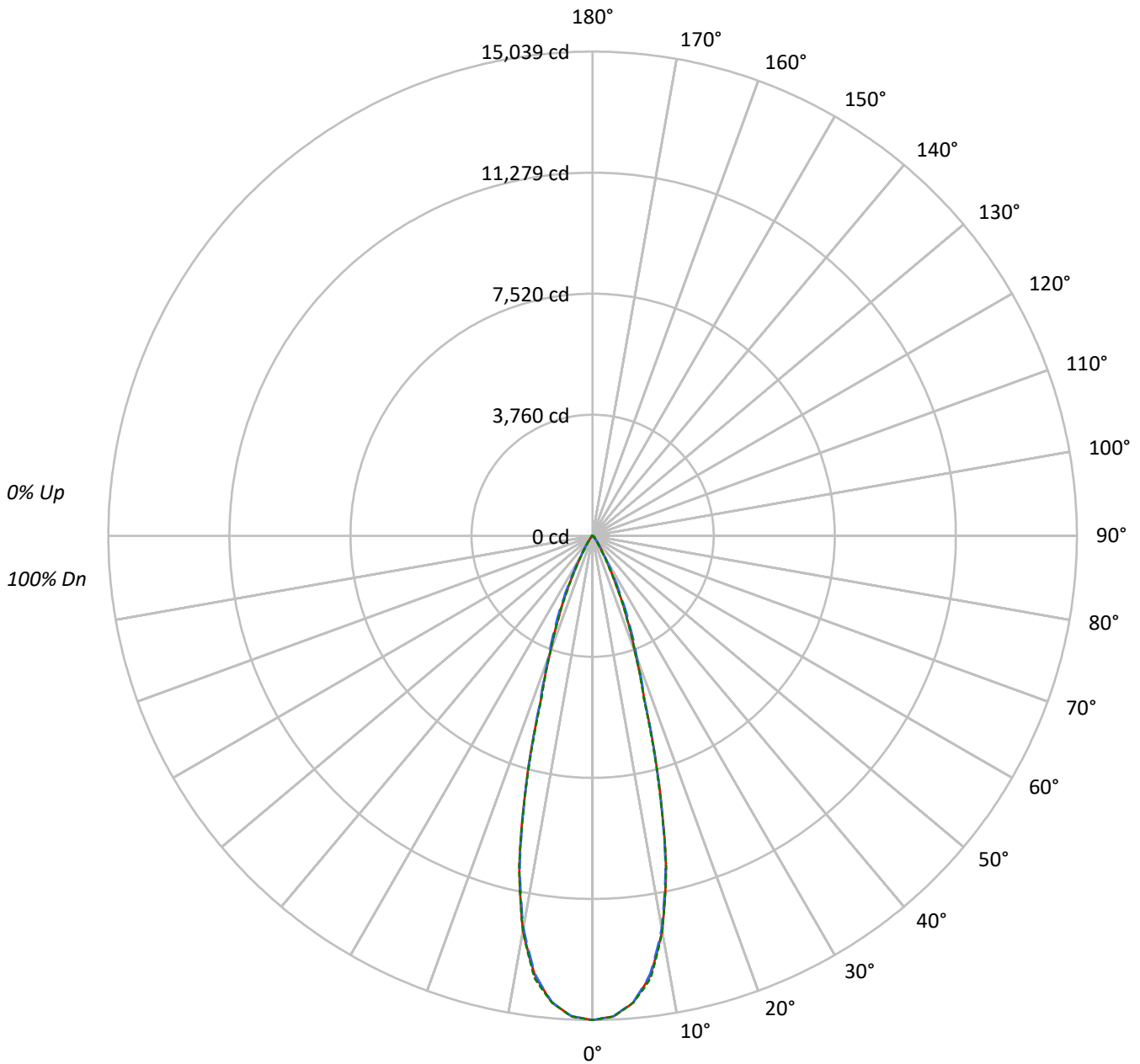


Downlight

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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	50	30	10	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	100													
	1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	96	96	96	96	96													
	2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	92	92	92	92	92													
	3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	89	89	89	89	89													
	4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	87	85	85	85	85	85													
	5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	83	82	82	82	82	82													
	6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	80	79	79	79	79	79													
	7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	78	77	77	77	77	77													
	8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	75	74	74	74	74	74													
	9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	73	72	72	72	72	72													
	10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	70	69	69	69	69	69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1151136	1151136	1151136
5°	1118091	1116785	1118145
10°	968436	961604	968203
15°	631856	628465	625303
20°	314191	325978	313768
25°	158271	178473	155028
30°	63372	69046	55214
35°	29388	28154	23594
40°	12690	14089	11950
45°	8952	11106	9028
50°	3072	8086	3251
55°	1775	3350	1868
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11106 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1322.4	28.3
10°-20°	2129.8	45.5
20°-30°	920.3	19.7
30°-40°	209.8	4.5
40°-50°	72.0	1.5
50°-60°	17.6	0.4
60°-70°	4.6	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°	4372.6	93.5
0°-40°	4582.4	98.0
0°-60°	4672.0	99.9
0°-90°	4677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4677.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15039	15039	15039	15039	15039	
5°	14552	14538	14535	14565	14552	1324
15°	7974	7878	7931	7905	7891	2135
25°	1874	1945	2113	1895	1836	897
35°	314	321	301	299	252	213
45°	83	103	103	103	83	59
55°	13	14	25	15	14	13
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°	15039.0	15039.0	15039.0	15039.0	15039.0
2.5°	14939.3	14929.0	14934.9	14942.2	14945.2
5°	14551.7	14537.6	14534.7	14564.9	14552.4
7.5°	13769.7	13749.8	13719.5	13788.2	13852.4
10°	12459.9	12437.7	12372.0	12404.5	12456.9
12.5°	10526.1	10454.5	10453.0	10556.4	10542.3
15°	7973.6	7877.6	7930.8	7904.9	7890.9
17.5°	5362.0	5325.1	5396.0	5374.5	5282.2
20°	3857.2	3866.8	4001.9	3934.0	3852.0
22.5°	2814.6	2849.3	3009.6	2834.6	2770.3
25°	1874.0	1944.8	2113.2	1895.4	1835.6
27.5°	1152.6	1185.1	1355.6	1137.8	1105.3
30°	717.0	700.7	781.2	670.4	624.7
32.5°	470.3	449.7	475.5	426.8	389.9
35°	314.5	321.2	301.3	299.0	252.5
37.5°	196.4	225.9	199.4	212.6	162.4
40°	127.0	163.9	141.0	155.8	119.6
42.5°	104.1	126.3	115.9	123.3	106.3
45°	82.7	102.6	102.6	102.6	83.4
47.5°	45.8	68.7	87.9	70.1	48.7
50°	25.8	34.7	67.9	36.2	27.3
52.5°	17.7	19.9	46.5	20.7	18.5
55°	13.3	14.0	25.1	14.8	14.0
57.5°	10.3	11.1	13.3	11.1	10.3
60°	8.1	8.1	9.6	8.9	8.1
62.5°	5.9	5.9	6.6	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	3.0	3.0	3.0	3.0
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	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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