

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: P790778

Luminaire Tested: LER6D25D010-EC6DR3020359035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790778
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-EC6DR3020359035-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4551.2 lumens
Efficiency: N/A
Efficacy: 181.3 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

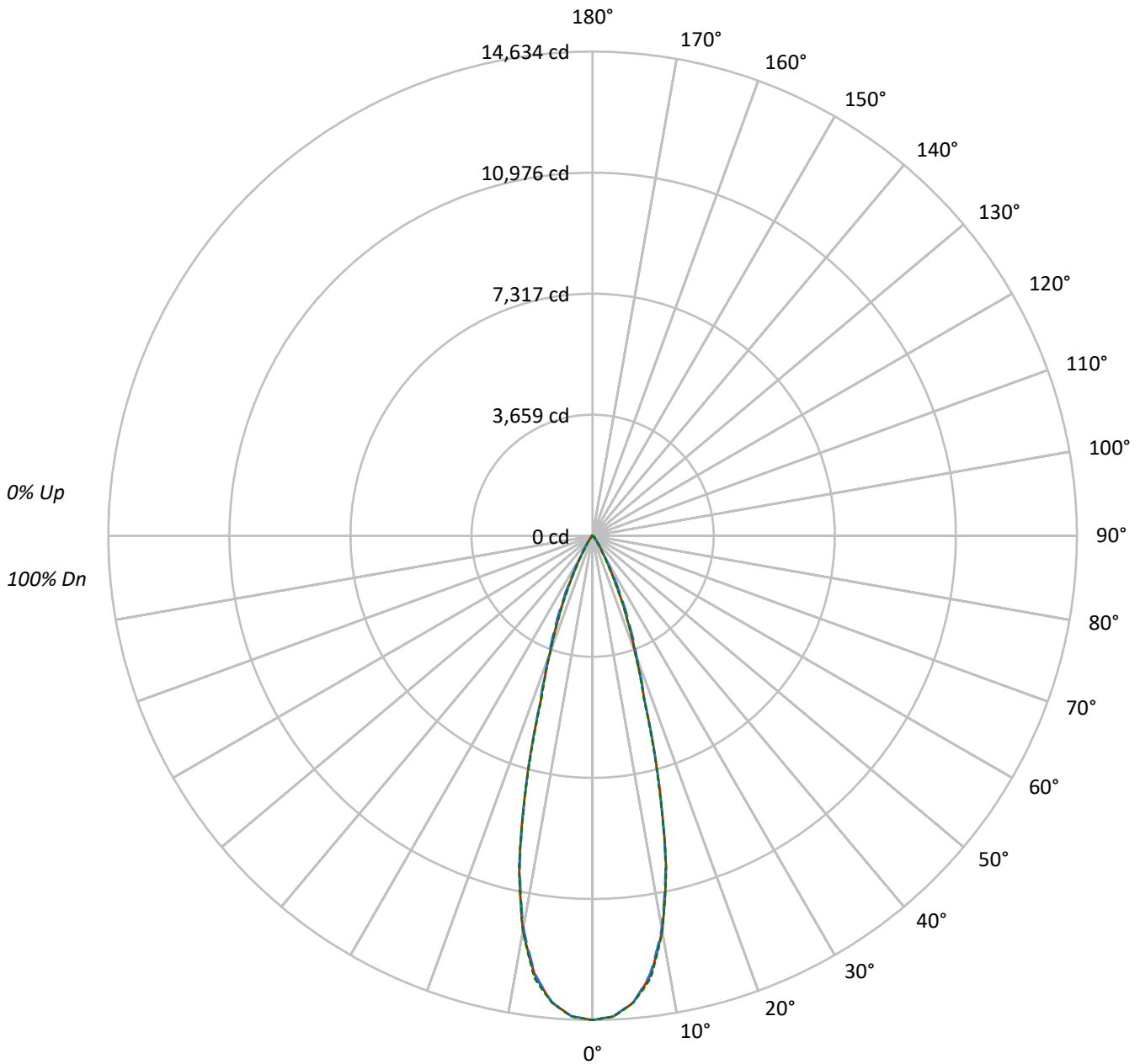


Downlight

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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	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°	1120159	1120159	1120159
5°	1088002	1086735	1088056
10°	942375	935729	942157
15°	614851	611554	608480
20°	305736	317213	305329
25°	154006	173667	150856
30°	61666	67190	53720
35°	28603	27388	22959
40°	12350	13709	11631
45°	8714	10814	8790
50°	2989	7871	3168
55°	1721	3256	1828
60°	1209	1424	1209
65°	779	779	779
70°	492	313	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: 10814 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1286.9	28.3
10°-20°	2072.5	45.5
20°-30°	895.6	19.7
30°-40°	204.1	4.5
40°-50°	70.1	1.5
50°-60°	17.1	0.4
60°-70°	4.4	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°	4255.0	93.5
0°-40°	4459.1	98.0
0°-60°	4546.3	99.9
0°-90°	4551.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4551.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14634	14634	14634	14634	14634	
5°	14160	14146	14144	14173	14161	1288
15°	7759	7666	7717	7692	7679	2078
25°	1824	1892	2056	1844	1786	873
35°	306	312	293	291	246	208
45°	80	100	100	100	81	57
55°	13	14	24	14	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°	14634.3	14634.3	14634.3	14634.3	14634.3
2.5°	14537.3	14527.3	14533.0	14540.2	14543.1
5°	14160.1	14146.5	14143.6	14173.1	14160.8
7.5°	13399.2	13379.8	13350.4	13417.2	13479.7
10°	12124.6	12103.1	12039.1	12070.7	12121.8
12.5°	10242.9	10173.2	10171.8	10272.3	10258.7
15°	7759.0	7665.6	7717.4	7692.2	7678.6
17.5°	5217.7	5181.8	5250.8	5229.9	5140.1
20°	3753.4	3762.8	3894.3	3828.1	3748.4
22.5°	2738.9	2772.7	2928.6	2758.3	2695.8
25°	1823.5	1892.5	2056.3	1844.4	1786.2
27.5°	1121.6	1153.2	1319.2	1107.2	1075.6
30°	697.7	681.9	760.2	652.4	607.8
32.5°	457.7	437.6	462.7	415.3	379.4
35°	306.1	312.5	293.1	291.0	245.7
37.5°	191.1	219.9	194.0	206.9	158.1
40°	123.6	159.5	137.2	151.6	116.4
42.5°	101.3	122.9	112.8	120.0	103.5
45°	80.5	99.9	99.9	99.9	81.2
47.5°	44.5	66.8	85.5	68.3	47.4
50°	25.1	33.8	66.1	35.2	26.6
52.5°	17.2	19.4	45.3	20.1	18.0
55°	12.9	13.7	24.4	14.4	13.7
57.5°	10.1	10.8	12.9	10.8	10.1
60°	7.9	7.9	9.3	8.6	7.9
62.5°	5.7	5.7	6.5	5.7	5.7
65°	4.3	4.3	4.3	4.3	4.3
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.4	1.4	1.4	2.2
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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