

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P790758

Luminaire Tested: LER6D25D010-EC6DR3020359024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790758
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-EC6DR3020359024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4218.8 lumens
Efficiency: N/A
Efficacy: 168.1 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

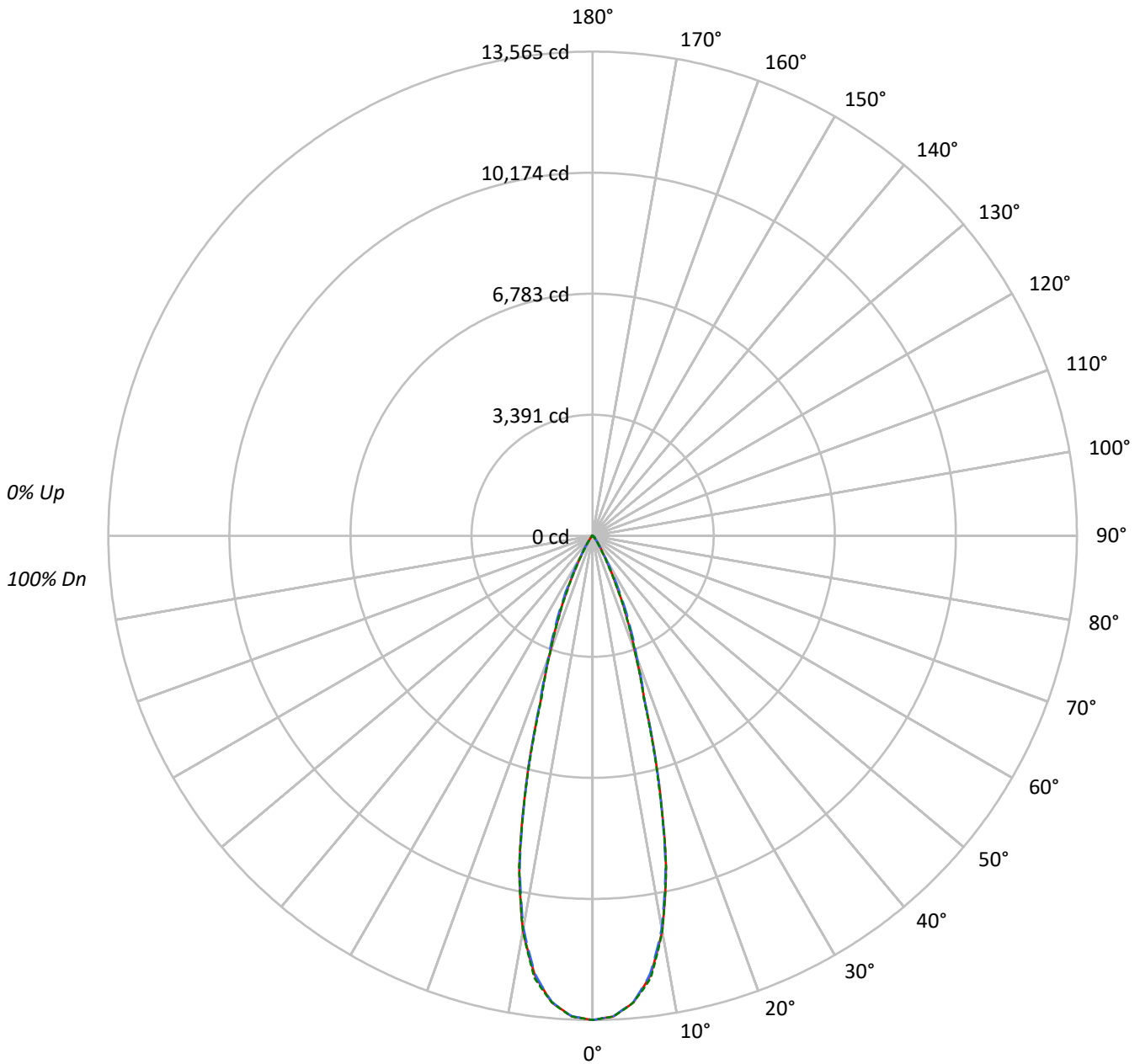


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1038342	1038342	1038342
5°	1008539	1007363	1008585
10°	873542	867387	873340
15°	569943	566885	564032
20°	283409	294039	283026
25°	142765	160982	139834
30°	57158	62276	49805
35°	26510	25388	21286
40°	11451	12710	10781
45°	8075	10024	8151
50°	2775	7300	2929
55°	1601	3016	1695
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: 10024 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1192.9	28.3
10°-20°	1921.1	45.5
20°-30°	830.2	19.7
30°-40°	189.2	4.5
40°-50°	65.0	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°	3944.2	93.5
0°-40°	4133.4	98.0
0°-60°	4214.2	99.9
0°-90°	4218.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4218.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13565	13565	13565	13565	13565	
5°	13126	13113	13111	13138	13126	1194
15°	7192	7106	7154	7130	7118	1926
25°	1690	1754	1906	1710	1656	809
35°	284	290	272	270	228	192
45°	75	93	93	93	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°	13565.4	13565.4	13565.4	13565.4	13565.4
2.5°	13475.5	13466.2	13471.5	13478.2	13480.9
5°	13125.9	13113.2	13110.6	13137.9	13126.5
7.5°	12420.6	12402.6	12375.3	12437.2	12495.2
10°	11239.0	11219.1	11159.8	11189.1	11236.4
12.5°	9494.7	9430.1	9428.8	9522.1	9509.4
15°	7192.3	7105.7	7153.7	7130.4	7117.7
17.5°	4836.6	4803.3	4867.3	4847.9	4764.7
20°	3479.3	3487.9	3609.8	3548.5	3474.6
22.5°	2538.9	2570.2	2714.7	2556.8	2498.9
25°	1690.4	1754.3	1906.1	1709.7	1655.7
27.5°	1039.7	1069.0	1222.8	1026.3	997.0
30°	646.7	632.1	704.6	604.7	563.5
32.5°	424.3	405.6	428.9	385.0	351.7
35°	283.7	289.7	271.7	269.7	227.8
37.5°	177.2	203.8	179.8	191.8	146.5
40°	114.6	147.9	127.2	140.5	107.9
42.5°	93.9	113.9	104.6	111.2	95.9
45°	74.6	92.6	92.6	92.6	75.3
47.5°	41.3	61.9	79.3	63.3	44.0
50°	23.3	31.3	61.3	32.6	24.6
52.5°	16.0	18.0	42.0	18.6	16.7
55°	12.0	12.7	22.6	13.3	12.7
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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