

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: P790782

Luminaire Tested: LER6D25D010-EC6DR3020359035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790782
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-EC6DR3020359035-6LBS1MW
Description: 6 INCH ROUND SHALLOW 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: 5104.9 lumens
Efficiency: N/A
Efficacy: 203.4 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

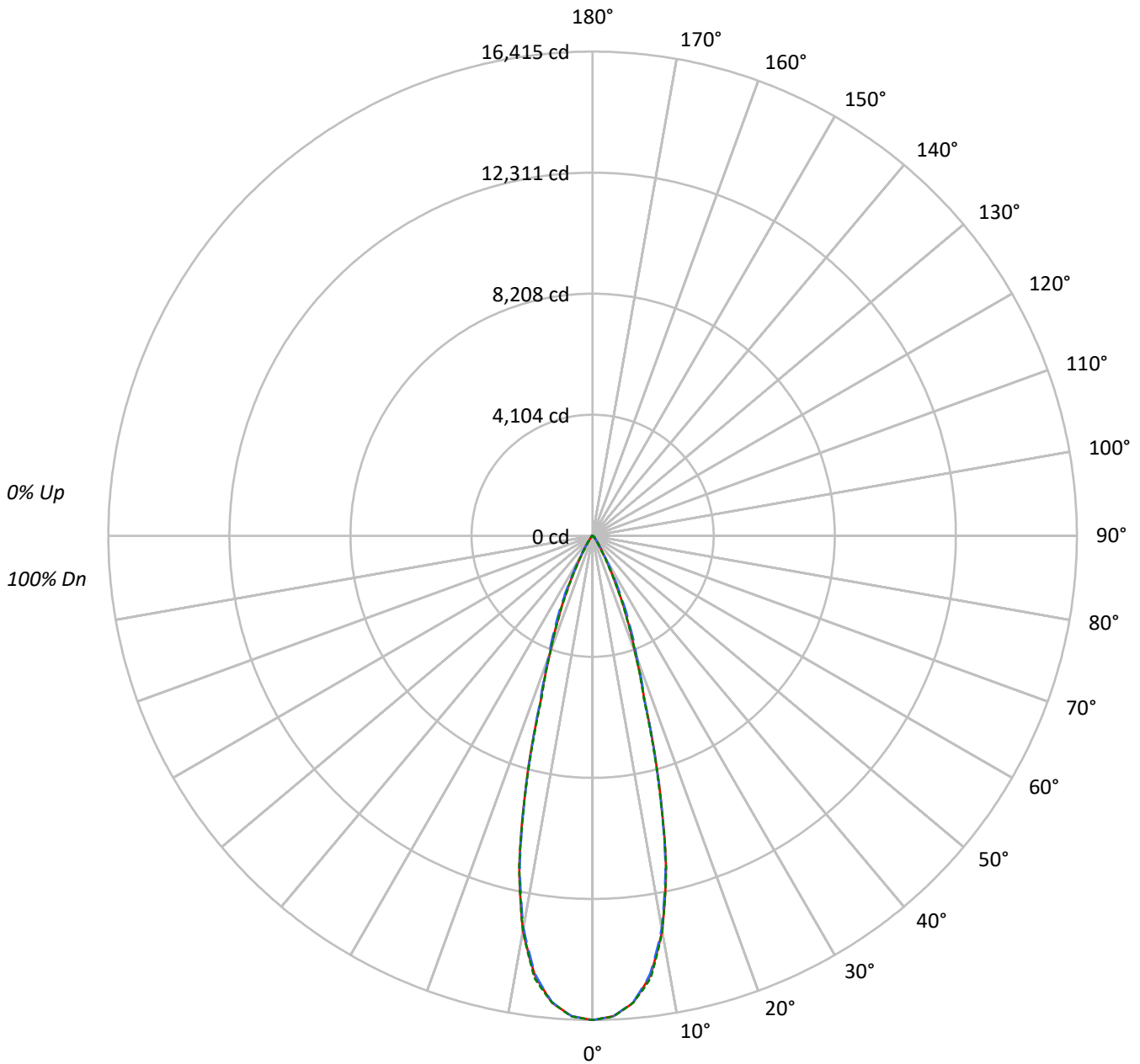


Downlight

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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°	1256437	1256437	1256437
5°	1220367	1218946	1220429
10°	1057026	1049572	1056769
15°	689657	685948	682501
20°	342937	355799	342473
25°	172747	194798	169208
30°	69161	75357	60261
35°	32079	30724	25753
40°	13849	15378	13050
45°	9775	12124	9861
50°	3358	8824	3549
55°	1935	3657	2042
60°	1362	1607	1362
65°	869	869	869
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12124 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1443.4	28.3
10°-20°	2324.6	45.5
20°-30°	1004.5	19.7
30°-40°	229.0	4.5
40°-50°	78.6	1.5
50°-60°	19.2	0.4
60°-70°	5.0	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°	4772.6	93.5
0°-40°	5001.6	98.0
0°-60°	5099.4	99.9
0°-90°	5104.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5104.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16415	16415	16415	16415	16415	
5°	15883	15868	15864	15897	15884	1445
15°	8703	8598	8656	8628	8613	2330
25°	2045	2123	2306	2069	2004	979
35°	343	351	329	326	276	233
45°	90	112	112	112	91	64
55°	14	15	27	16	15	14
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°	16414.7	16414.7	16414.7	16414.7	16414.7
2.5°	16305.9	16294.6	16301.1	16309.1	16312.3
5°	15882.8	15867.5	15864.3	15897.3	15883.6
7.5°	15029.3	15007.6	14974.5	15049.5	15119.6
10°	13599.7	13575.5	13503.8	13539.2	13596.4
12.5°	11489.0	11410.8	11409.2	11522.0	11506.7
15°	8703.0	8598.2	8656.2	8628.0	8612.7
17.5°	5852.5	5812.2	5889.6	5866.2	5765.5
20°	4210.1	4220.5	4368.0	4293.9	4204.4
22.5°	3072.1	3110.0	3284.9	3093.9	3023.8
25°	2045.4	2122.8	2306.5	2068.8	2003.5
27.5°	1258.0	1293.5	1479.6	1241.9	1206.4
30°	782.5	764.8	852.6	731.8	681.8
32.5°	513.4	490.8	519.0	465.8	425.5
35°	343.3	350.6	328.8	326.4	275.6
37.5°	214.4	246.6	217.6	232.1	177.3
40°	138.6	178.9	153.9	170.0	130.6
42.5°	113.6	137.8	126.5	134.6	116.1
45°	90.3	112.0	112.0	112.0	91.1
47.5°	50.0	74.9	95.9	76.6	53.2
50°	28.2	37.9	74.1	39.5	29.8
52.5°	19.3	21.8	50.8	22.6	20.1
55°	14.5	15.3	27.4	16.1	15.3
57.5°	11.3	12.1	14.5	12.1	11.3
60°	8.9	8.9	10.5	9.7	8.9
62.5°	6.4	6.4	7.3	6.4	6.4
65°	4.8	4.8	4.8	4.8	4.8
67.5°	2.4	3.2	3.2	3.2	3.2
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	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

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Scaled Data Report





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

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