

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: P790772

Luminaire Tested: LER6D25D010-EC6DR3020359030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790772
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-EC6DR3020359030-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 5087.2 lumens
Efficiency: N/A
Efficacy: 202.7 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

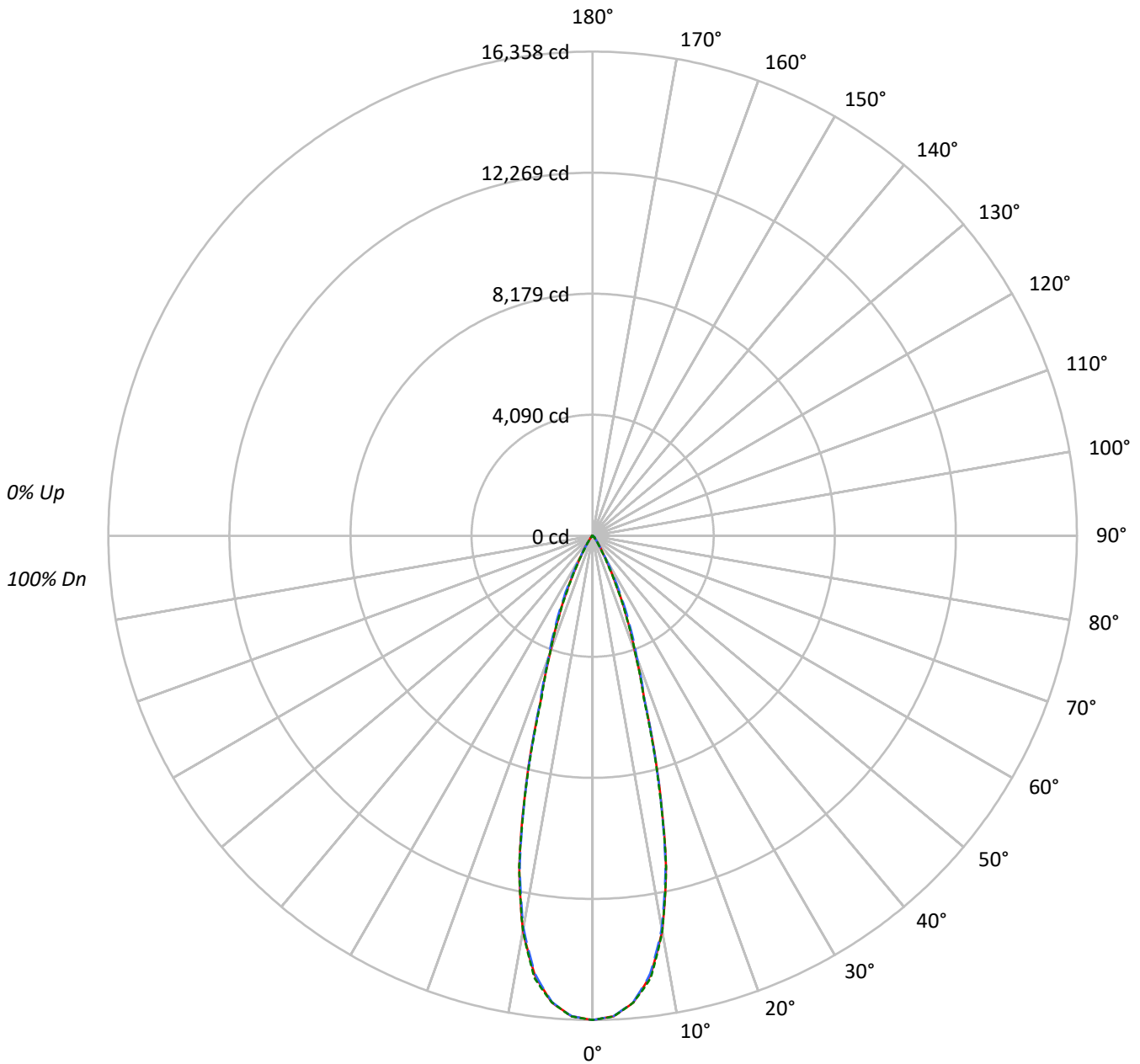


Downlight

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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°	1252089	1252089	1252089
5°	1216141	1214720	1216203
10°	1053365	1045935	1053116
15°	687271	683579	680140
20°	341748	354569	341292
25°	172147	194123	168617
30°	68922	75100	60049
35°	31967	30621	25669
40°	13799	15328	13000
45°	9732	12081	9829
50°	3346	8800	3537
55°	1935	3643	2042
60°	1347	1592	1347
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: 12081 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1438.4	28.3
10°-20°	2316.6	45.5
20°-30°	1001.1	19.7
30°-40°	228.2	4.5
40°-50°	78.3	1.5
50°-60°	19.1	0.4
60°-70°	4.9	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°	4756.1	93.5
0°-40°	4984.3	98.0
0°-60°	5081.7	99.9
0°-90°	5087.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5087.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16358	16358	16358	16358	16358	
5°	15828	15813	15809	15842	15829	1440
15°	8673	8568	8626	8598	8583	2322
25°	2038	2115	2298	2062	1996	976
35°	342	349	328	325	275	232
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°	16357.9	16357.9	16357.9	16357.9	16357.9
2.5°	16249.4	16238.2	16244.6	16252.7	16255.9
5°	15827.8	15812.6	15809.3	15842.3	15828.6
7.5°	14977.3	14955.6	14922.7	14997.4	15067.3
10°	13552.6	13528.5	13457.0	13492.4	13549.4
12.5°	11449.2	11371.3	11369.7	11482.2	11466.9
15°	8672.9	8568.4	8626.3	8598.2	8582.9
17.5°	5832.2	5792.1	5869.2	5845.9	5745.5
20°	4195.5	4205.9	4352.9	4279.0	4189.9
22.5°	3061.5	3099.2	3273.5	3083.2	3013.3
25°	2038.3	2115.4	2298.5	2061.6	1996.5
27.5°	1253.7	1289.0	1474.5	1237.6	1202.3
30°	779.8	762.2	849.7	729.2	679.4
32.5°	511.6	489.1	517.2	464.2	424.0
35°	342.1	349.4	327.7	325.3	274.7
37.5°	213.6	245.8	216.8	231.3	176.7
40°	138.1	178.3	153.4	169.5	130.1
42.5°	113.2	137.3	126.1	134.1	115.6
45°	89.9	111.6	111.6	111.6	90.8
47.5°	49.8	74.7	95.6	76.3	53.0
50°	28.1	37.7	73.9	39.4	29.7
52.5°	19.3	21.7	50.6	22.5	20.1
55°	14.5	15.3	27.3	16.1	15.3
57.5°	11.2	12.0	14.5	12.0	11.2
60°	8.8	8.8	10.4	9.6	8.8
62.5°	6.4	6.4	7.2	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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