

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: P790769

Luminaire Tested: LER6D25D010-EC6DR3020359030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790769
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-EC6DR3020359030-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 5074.5 lumens
Efficiency: N/A
Efficacy: 202.2 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

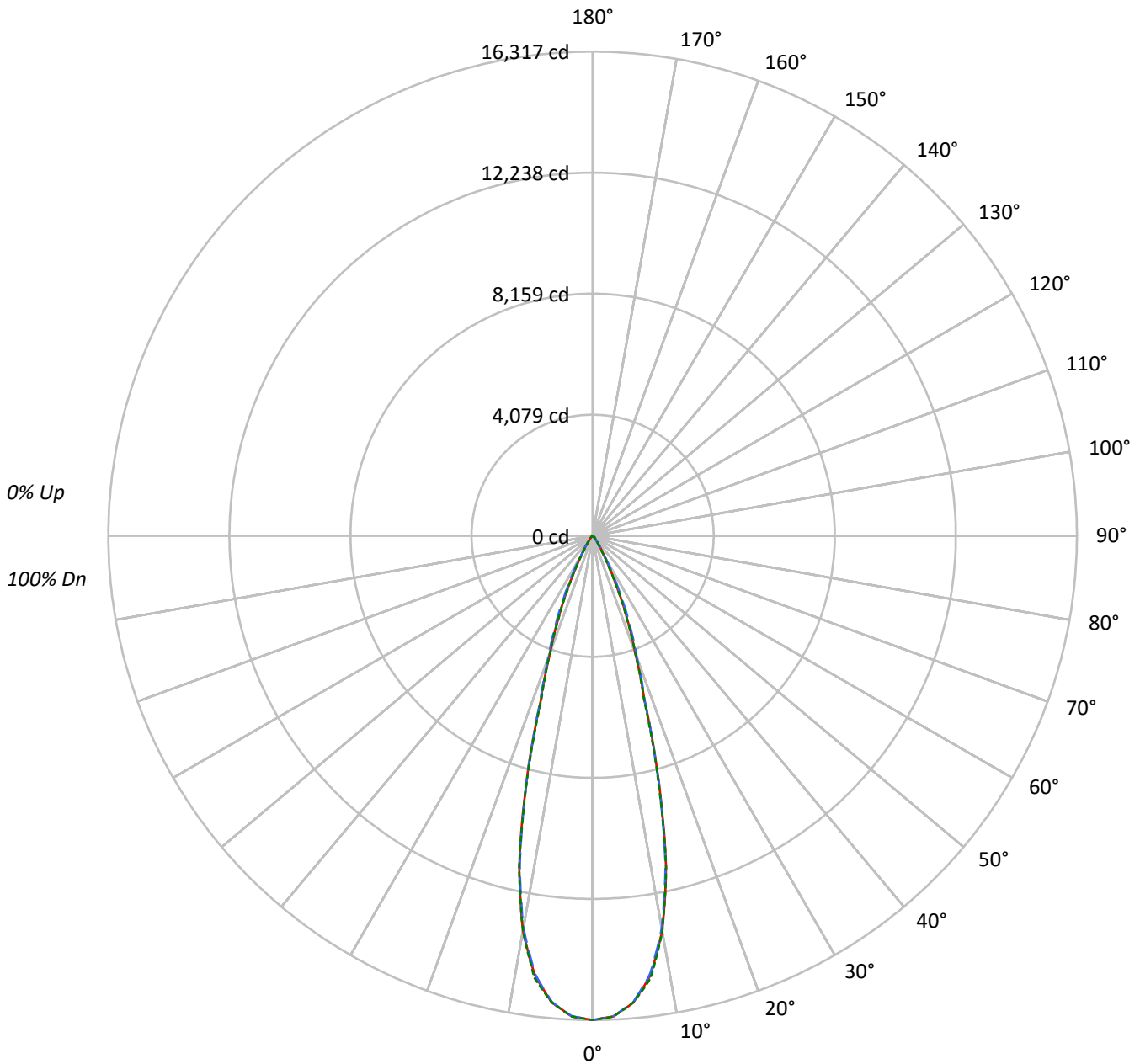


Downlight

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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°	1248959	1248959	1248959
5°	1213099	1211685	1213160
10°	1050730	1043323	1050481
15°	685552	681867	678436
20°	340892	353681	340436
25°	171717	193641	168203
30°	68754	74915	59898
35°	31892	30546	25603
40°	13769	15288	12970
45°	9710	12059	9797
50°	3334	8776	3525
55°	1922	3630	2028
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: 12059 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1434.8	28.3
10°-20°	2310.8	45.5
20°-30°	998.6	19.7
30°-40°	227.6	4.5
40°-50°	78.2	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°	4744.2	93.5
0°-40°	4971.8	98.0
0°-60°	5069.0	99.9
0°-90°	5074.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5074.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16317	16317	16317	16317	16317	
5°	15788	15773	15770	15803	15789	1436
15°	8651	8547	8605	8577	8561	2316
25°	2033	2110	2293	2056	1992	973
35°	341	348	327	324	274	231
45°	90	111	111	111	90	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°	16317.0	16317.0	16317.0	16317.0	16317.0
2.5°	16208.8	16197.6	16204.0	16212.0	16215.2
5°	15788.2	15773.0	15769.8	15802.7	15789.0
7.5°	14939.9	14918.2	14885.4	14959.9	15029.6
10°	13518.7	13494.7	13423.4	13458.6	13515.5
12.5°	11420.6	11342.9	11341.3	11453.4	11438.2
15°	8651.2	8547.0	8604.7	8576.7	8561.4
17.5°	5817.6	5777.6	5854.5	5831.3	5731.1
20°	4185.0	4195.4	4342.0	4268.3	4179.4
22.5°	3053.8	3091.5	3265.3	3075.5	3005.8
25°	2033.2	2110.1	2292.8	2056.4	1991.6
27.5°	1250.5	1285.8	1470.8	1234.5	1199.3
30°	777.9	760.3	847.6	727.4	677.7
32.5°	510.3	487.9	515.9	463.0	423.0
35°	341.3	348.5	326.9	324.4	274.0
37.5°	213.1	245.1	216.3	230.7	176.2
40°	137.8	177.8	153.0	169.0	129.8
42.5°	113.0	137.0	125.8	133.8	115.4
45°	89.7	111.4	111.4	111.4	90.5
47.5°	49.7	74.5	95.3	76.1	52.9
50°	28.0	37.7	73.7	39.3	29.6
52.5°	19.2	21.6	50.5	22.4	20.0
55°	14.4	15.2	27.2	16.0	15.2
57.5°	11.2	12.0	14.4	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

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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