

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: P790775

Luminaire Tested: LER6D25D010-EC6DR3020359035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790775
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-EC6DR3020359035-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4107.5 lumens
Efficiency: N/A
Efficacy: 163.6 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

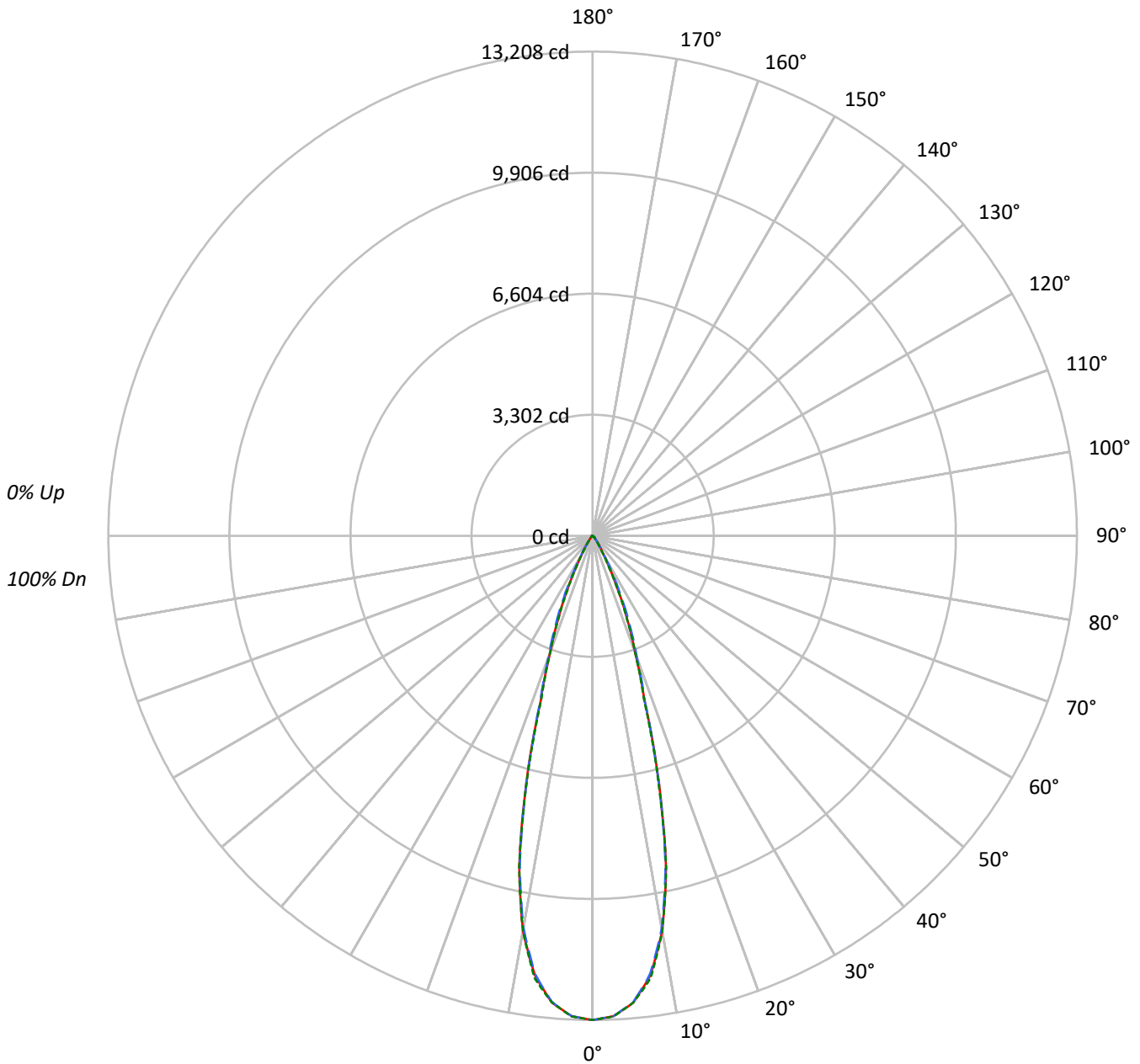


Downlight

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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°	1010962	1010962	1010962
5°	981938	980793	981992
10°	850505	844512	850303
15°	554911	551931	549158
20°	275931	286284	275565
25°	138998	156742	136152
30°	55647	60641	48488
35°	25809	24725	20725
40°	11141	12380	10492
45°	7859	9753	7935
50°	2703	7109	2858
55°	1561	2936	1641
60°	1087	1286	1087
65°	706	706	706
70°	425	291	425
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9753 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1161.4	28.3
10°-20°	1870.5	45.5
20°-30°	808.3	19.7
30°-40°	184.2	4.5
40°-50°	63.3	1.5
50°-60°	15.5	0.4
60°-70°	4.0	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°	3840.2	93.5
0°-40°	4024.4	98.0
0°-60°	4103.1	99.9
0°-90°	4107.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4107.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13208	13208	13208	13208	13208	
5°	12780	12767	12765	12791	12780	1162
15°	7003	6918	6965	6942	6930	1875
25°	1646	1708	1856	1665	1612	788
35°	276	282	265	263	222	187
45°	73	90	90	90	73	52
55°	12	12	22	13	12	11
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°	13207.7	13207.7	13207.7	13207.7	13207.7
2.5°	13120.1	13111.1	13116.3	13122.7	13125.3
5°	12779.7	12767.4	12764.8	12791.4	12780.4
7.5°	12093.0	12075.5	12048.9	12109.2	12165.6
10°	10942.6	10923.2	10865.5	10894.0	10940.0
12.5°	9244.3	9181.4	9180.1	9270.9	9258.6
15°	7002.6	6918.3	6965.0	6942.3	6930.0
17.5°	4709.1	4676.6	4738.9	4720.1	4639.0
20°	3387.5	3395.9	3514.6	3455.0	3383.0
22.5°	2471.9	2502.4	2643.1	2489.4	2433.0
25°	1645.8	1708.0	1855.9	1664.6	1612.1
27.5°	1012.2	1040.8	1190.6	999.3	970.7
30°	629.6	615.4	686.1	588.8	548.6
32.5°	413.1	394.9	417.6	374.8	342.4
35°	276.2	282.1	264.6	262.6	221.8
37.5°	172.5	198.4	175.1	186.8	142.7
40°	111.5	144.0	123.9	136.8	105.0
42.5°	91.4	110.9	101.8	108.3	93.4
45°	72.6	90.1	90.1	90.1	73.3
47.5°	40.2	60.3	77.2	61.6	42.8
50°	22.7	30.5	59.7	31.8	24.0
52.5°	15.6	17.5	40.9	18.2	16.2
55°	11.7	12.3	22.0	13.0	12.3
57.5°	9.1	9.7	11.7	9.7	9.1
60°	7.1	7.1	8.4	7.8	7.1
62.5°	5.2	5.2	5.8	5.2	5.2
65°	3.9	3.9	3.9	3.9	3.9
67.5°	1.9	2.6	2.6	2.6	2.6
70°	1.9	1.3	1.3	1.3	1.9
72.5°	1.3	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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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