

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: P767934

Luminaire Tested: LD6D55D010-EU6DR3055659024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767934
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: LD6D55D010-EU6DR3055659024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5720.7 lumens
Efficiency: N/A
Efficacy: 98.3 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

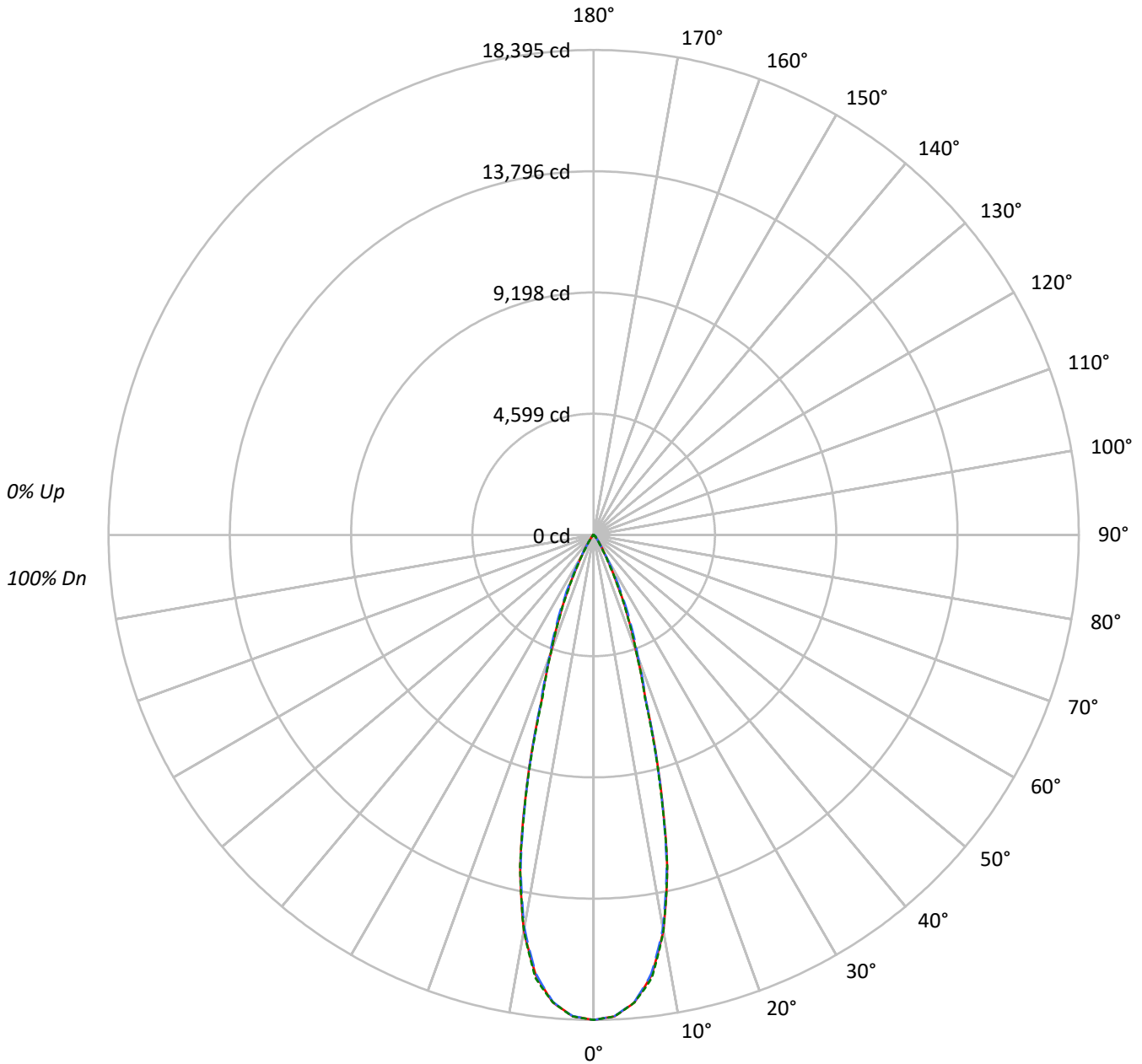
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1408023	1408023	1408023
5°	1367600	1366002	1367669
10°	1184548	1176193	1184268
15°	772862	768710	764843
20°	384308	398726	383795
25°	193591	218303	189621
30°	77505	84452	67535
35°	35947	34433	28864
40°	15518	17236	14618
45°	10955	13585	11052
50°	3763	9896	3977
55°	2175	4097	2295
60°	1516	1791	1516
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 13585 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1617.6	28.3
10°-20°	2605.1	45.5
20°-30°	1125.7	19.7
30°-40°	256.6	4.5
40°-50°	88.1	1.5
50°-60°	21.5	0.4
60°-70°	5.6	0.1
70°-80°	0.6	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°	5348.4	93.5
0°-40°	5605.0	98.0
0°-60°	5714.6	99.9
0°-90°	5720.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5720.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18395	18395	18395	18395	18395	
5°	17799	17782	17778	17815	17800	1619
15°	9753	9636	9701	9669	9652	2611
25°	2292	2379	2585	2318	2245	1097
35°	385	393	368	366	309	261
45°	101	126	126	126	102	72
55°	16	17	31	18	17	16
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°	18395.1	18395.1	18395.1	18395.1	18395.1
2.5°	18273.1	18260.5	18267.7	18276.7	18280.4
5°	17799.0	17781.8	17778.2	17815.2	17799.9
7.5°	16842.6	16818.2	16781.2	16865.1	16943.7
10°	15240.4	15213.3	15132.9	15172.7	15236.8
12.5°	12875.1	12787.5	12785.7	12912.1	12895.0
15°	9753.0	9635.5	9700.6	9669.0	9651.8
17.5°	6558.6	6513.4	6600.1	6573.9	6461.0
20°	4718.0	4729.7	4895.0	4811.9	4711.7
22.5°	3442.8	3485.2	3681.2	3467.1	3388.6
25°	2292.2	2378.9	2584.8	2318.3	2245.2
27.5°	1409.8	1449.5	1658.2	1391.7	1352.0
30°	876.9	857.1	955.5	820.0	764.1
32.5°	575.3	550.0	581.6	522.0	476.9
35°	384.7	392.9	368.5	365.8	308.9
37.5°	240.2	276.4	243.8	260.1	198.7
40°	155.3	200.5	172.5	190.6	146.3
42.5°	127.3	154.4	141.8	150.8	130.1
45°	101.2	125.5	125.5	125.5	102.1
47.5°	56.0	84.0	107.5	85.8	59.6
50°	31.6	42.4	83.1	44.3	33.4
52.5°	21.7	24.4	56.9	25.3	22.6
55°	16.3	17.2	30.7	18.1	17.2
57.5°	12.6	13.5	16.3	13.5	12.6
60°	9.9	9.9	11.7	10.8	9.9
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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