

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: P770290

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770290
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: LD6D70BD010-EU6DR3070959027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8053.7 lumens
Efficiency: N/A
Efficacy: 120.9 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

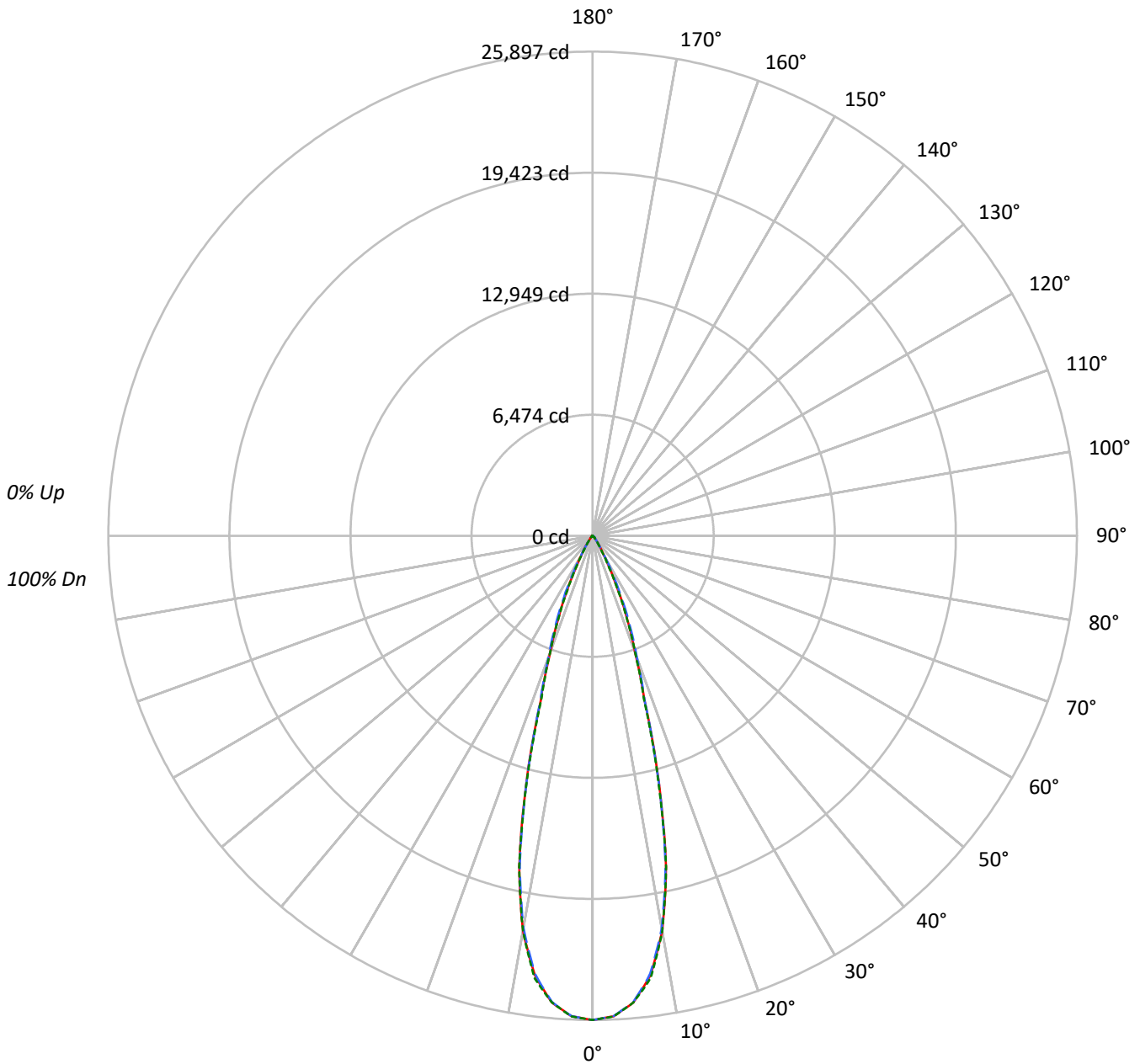
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	1982221	1982221	1982221
5°	1925320	1923069	1925412
10°	1667619	1655860	1667223
15°	1088038	1082198	1076753
20°	541029	561328	540304
25°	272532	307328	266949
30°	109120	118895	95067
35°	50608	48468	40629
40°	21853	24261	20584
45°	15415	19128	15555
50°	5299	13932	5597
55°	3056	5765	3229
60°	2143	2526	2143
65°	1376	1376	1376
70°	850	559	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2277.2	28.3
10°-20°	3667.5	45.5
20°-30°	1584.8	19.7
30°-40°	361.2	4.5
40°-50°	124.0	1.5
50°-60°	30.3	0.4
60°-70°	7.8	0.1
70°-80°	0.8	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°	7529.5	93.5
0°-40°	7890.7	98.0
0°-60°	8045.1	99.9
0°-90°	8053.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8053.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25897	25897	25897	25897	25897	
5°	25058	25033	25028	25080	25059	2279
15°	13730	13565	13657	13612	13588	3676
25°	3227	3349	3639	3264	3161	1545
35°	542	553	519	515	435	367
45°	142	177	177	177	144	101
55°	23	24	43	25	24	22
65°	8	8	8	8	8	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25896.7	25896.7	25896.7	25896.7	25896.7
2.5°	25725.1	25707.3	25717.4	25730.2	25735.2
5°	25057.6	25033.4	25028.3	25080.5	25058.8
7.5°	23711.1	23676.8	23624.7	23742.9	23853.5
10°	21455.6	21417.4	21304.3	21360.2	21450.5
12.5°	18125.7	18002.3	17999.8	18177.8	18153.6
15°	13730.3	13565.0	13656.6	13612.1	13587.9
17.5°	9233.2	9169.6	9291.7	9254.8	9095.9
20°	6642.0	6658.5	6891.2	6774.2	6633.1
22.5°	4846.7	4906.5	5182.4	4881.1	4770.4
25°	3226.9	3349.0	3638.9	3263.8	3160.8
27.5°	1984.7	2040.7	2334.4	1959.3	1903.3
30°	1234.6	1206.6	1345.2	1154.5	1075.6
32.5°	809.9	774.3	818.8	734.9	671.3
35°	541.6	553.1	518.7	514.9	434.8
37.5°	338.2	389.1	343.3	366.2	279.7
40°	218.7	282.3	242.8	268.3	206.0
42.5°	179.3	217.4	199.6	212.3	183.1
45°	142.4	176.7	176.7	176.7	143.7
47.5°	78.8	118.2	151.3	120.8	83.9
50°	44.5	59.8	117.0	62.3	47.0
52.5°	30.5	34.3	80.1	35.6	31.8
55°	22.9	24.2	43.2	25.4	24.2
57.5°	17.8	19.1	22.9	19.1	17.8
60°	14.0	14.0	16.5	15.3	14.0
62.5°	10.2	10.2	11.4	10.2	10.2
65°	7.6	7.6	7.6	7.6	7.6
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.5	2.5	2.5	3.8
72.5°	2.5	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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