

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: P773449

Luminaire Tested: LD6D90BD010-EU6DR3070959040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773449
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: LD6D90BD010-EU6DR3070959040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11868.8 lumens
Efficiency: N/A
Efficacy: 120.0 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

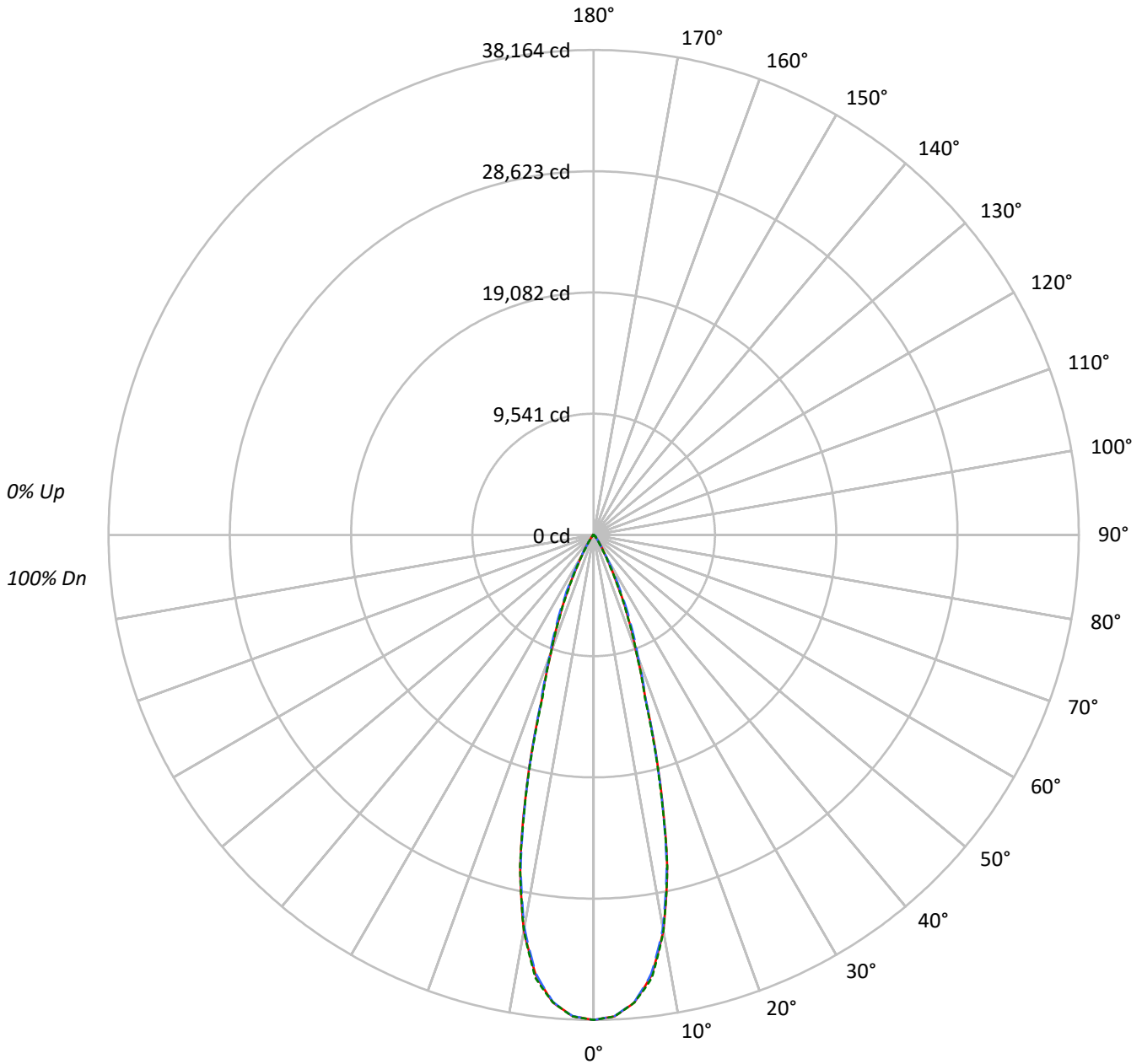
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2921202	2921202	2921202
5°	2837346	2834034	2837492
10°	2457569	2440237	2456986
15°	1603446	1594832	1586813
20°	797314	827232	796247
25°	401632	452905	393406
30°	160807	175214	140107
35°	74586	71437	59878
40°	32204	35761	30326
45°	22721	28188	22916
50°	7812	20529	8252
55°	4497	8501	4751
60°	3154	3735	3154
65°	2029	2029	2029
70°	1253	828	1253
75°	0	562	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 28188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3355.9	28.3
10°-20°	5404.8	45.5
20°-30°	2335.6	19.7
30°-40°	532.3	4.5
40°-50°	182.8	1.5
50°-60°	44.6	0.4
60°-70°	11.6	0.1
70°-80°	1.2	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°	11096.3	93.5
0°-40°	11628.6	98.0
0°-60°	11856.0	99.9
0°-90°	11868.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11868.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38164	38164	38164	38164	38164	
5°	36927	36892	36884	36961	36929	3359
15°	20234	19991	20126	20060	20024	5418
25°	4756	4935	5363	4810	4658	2276
35°	798	815	764	759	641	541
45°	210	260	260	260	212	149
55°	34	36	64	38	36	33
65°	11	11	11	11	11	11
75°	0	0	2	0	0	2
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°	38164.0	38164.0	38164.0	38164.0	38164.0
2.5°	37911.1	37884.9	37899.8	37918.6	37926.1
5°	36927.4	36891.8	36884.3	36961.1	36929.3
7.5°	34943.1	34892.5	34815.7	34990.0	35153.0
10°	31619.1	31562.9	31396.1	31478.6	31611.6
12.5°	26711.8	26530.1	26526.3	26788.7	26753.1
15°	20234.4	19990.8	20125.7	20060.1	20024.5
17.5°	13607.0	13513.3	13693.2	13638.8	13404.6
20°	9788.3	9812.7	10155.6	9983.2	9775.2
22.5°	7142.6	7230.7	7637.3	7193.2	7030.2
25°	4755.5	4935.4	5362.6	4809.9	4658.1
27.5°	2924.9	3007.3	3440.2	2887.4	2805.0
30°	1819.4	1778.2	1982.4	1701.3	1585.2
32.5°	1193.6	1141.1	1206.7	1083.0	989.3
35°	798.2	815.1	764.5	758.9	640.8
37.5°	498.4	573.4	505.9	539.6	412.2
40°	322.3	416.0	357.9	395.4	303.5
42.5°	264.2	320.4	294.2	312.9	269.8
45°	209.9	260.4	260.4	260.4	211.7
47.5°	116.2	174.3	223.0	178.0	123.7
50°	65.6	88.1	172.4	91.8	69.3
52.5°	45.0	50.6	118.0	52.5	46.8
55°	33.7	35.6	63.7	37.5	35.6
57.5°	26.2	28.1	33.7	28.1	26.2
60°	20.6	20.6	24.4	22.5	20.6
62.5°	15.0	15.0	16.9	15.0	15.0
65°	11.2	11.2	11.2	11.2	11.2
67.5°	5.6	7.5	7.5	7.5	7.5
70°	5.6	3.7	3.7	3.7	5.6
72.5°	3.7	1.9	1.9	1.9	1.9
75°	0.0	0.0	1.9	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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