

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: P771850

Luminaire Tested: LD6D80BD010-EU6DR3070959027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771850
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: LD6D80BD010-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: 9643.8 lumens
Efficiency: N/A
Efficacy: 122.2 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

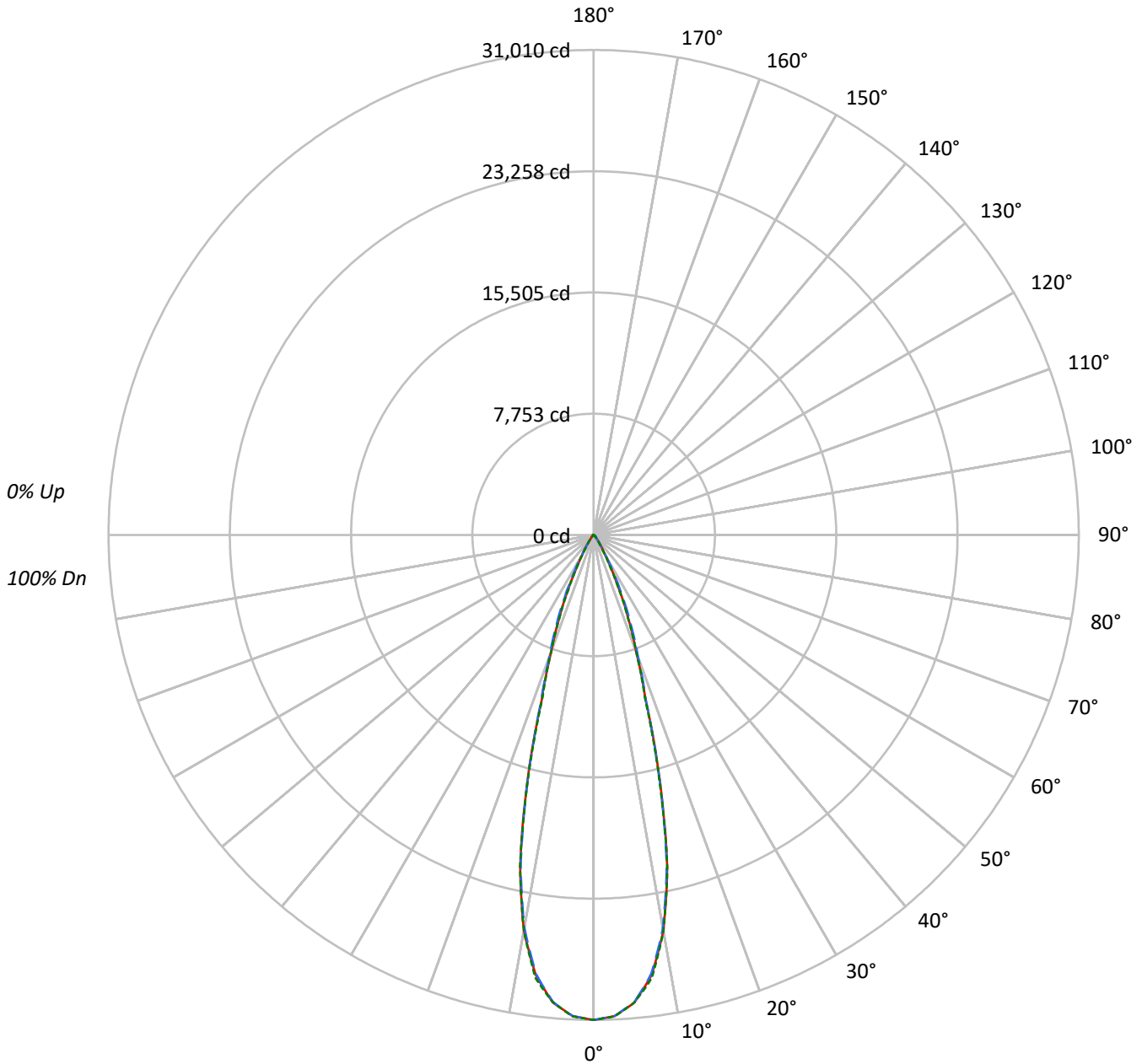
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	2373580	2373580	2373580
5°	2305442	2302745	2305557
10°	1996859	1982775	1996385
15°	1302851	1295854	1289340
20°	647850	672157	646979
25°	326339	368001	319650
30°	130659	142370	113839
35°	60607	58046	48655
40°	26169	29057	24640
45°	18456	22905	18619
50°	6347	16683	6704
55°	3657	6913	3857
60°	2557	3031	2557
65°	1648	1648	1648
70°	1029	671	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22905 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2726.8	28.3
10°-20°	4391.6	45.5
20°-30°	1897.7	19.7
30°-40°	432.5	4.5
40°-50°	148.5	1.5
50°-60°	36.3	0.4
60°-70°	9.4	0.1
70°-80°	1.0	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°	9016.1	93.5
0°-40°	9448.6	98.0
0°-60°	9633.4	99.9
0°-90°	9643.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9643.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31010	31010	31010	31010	31010	
5°	30005	29976	29970	30032	30006	2729
15°	16441	16243	16353	16300	16271	4402
25°	3864	4010	4357	3908	3785	1850
35°	649	662	621	617	521	440
45°	170	212	212	212	172	121
55°	27	29	52	30	29	27
65°	9	9	9	9	9	9
75°	0	0	2	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°	31009.6	31009.6	31009.6	31009.6	31009.6
2.5°	30804.0	30782.7	30794.9	30810.1	30816.2
5°	30004.8	29975.8	29969.7	30032.2	30006.3
7.5°	28392.5	28351.4	28288.9	28430.5	28563.0
10°	25691.6	25645.9	25510.4	25577.4	25685.5
12.5°	21704.3	21556.6	21553.5	21766.7	21737.8
15°	16441.1	16243.2	16352.8	16299.5	16270.6
17.5°	11056.1	10980.0	11126.2	11082.0	10891.7
20°	7953.4	7973.2	8251.8	8111.7	7942.7
22.5°	5803.6	5875.2	6205.6	5844.7	5712.3
25°	3864.0	4010.2	4357.3	3908.2	3784.8
27.5°	2376.6	2443.6	2795.2	2346.1	2279.1
30°	1478.3	1444.8	1610.8	1382.4	1288.0
32.5°	969.8	927.2	980.5	880.0	803.9
35°	648.6	662.3	621.2	616.6	520.7
37.5°	405.0	465.9	411.1	438.5	334.9
40°	261.9	338.0	290.8	321.2	246.6
42.5°	214.7	260.3	239.0	254.3	219.2
45°	170.5	211.6	211.6	211.6	172.0
47.5°	94.4	141.6	181.2	144.6	100.5
50°	53.3	71.6	140.1	74.6	56.3
52.5°	36.5	41.1	95.9	42.6	38.1
55°	27.4	28.9	51.8	30.4	28.9
57.5°	21.3	22.8	27.4	22.8	21.3
60°	16.7	16.7	19.8	18.3	16.7
62.5°	12.2	12.2	13.7	12.2	12.2
65°	9.1	9.1	9.1	9.1	9.1
67.5°	4.6	6.1	6.1	6.1	6.1
70°	4.6	3.0	3.0	3.0	4.6
72.5°	3.0	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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