

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: P766435

Luminaire Tested: LD6D45BD010-EU6DR3040509050-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766435
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: LD6D45BD010-EU6DR3040509050-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4658.6 lumens
Efficiency: N/A
Efficacy: 120.4 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

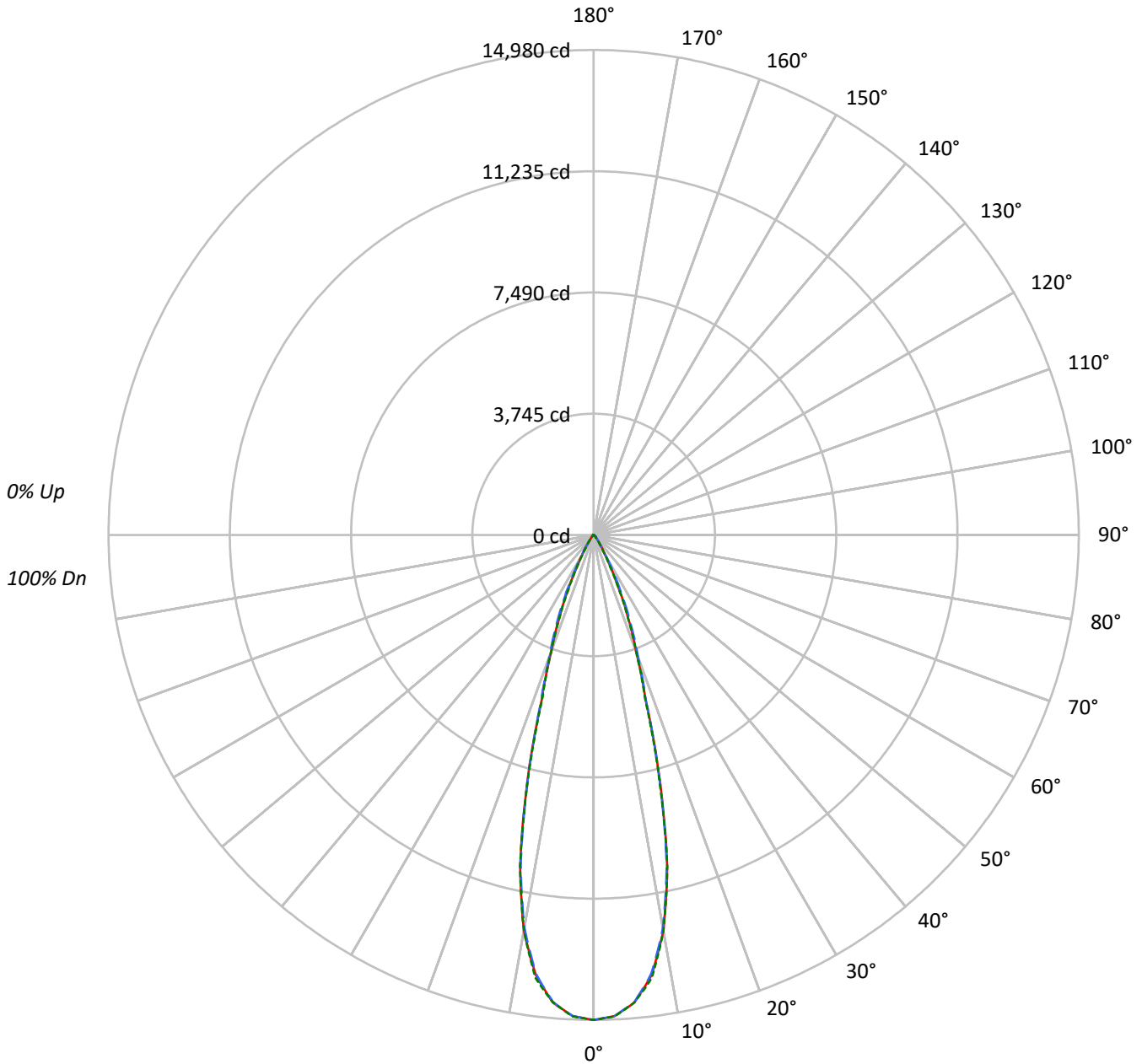
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					70					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°	1146597	1146597	1146597
5°	1113681	1112382	1113742
10°	964620	957819	964394
15°	629368	625984	622838
20°	312953	324699	312538
25°	157646	177772	154411
30°	63116	68772	54993
35°	29275	28042	23501
40°	12640	14039	11901
45°	8920	11063	8995
50°	3060	8062	3239
55°	1762	3336	1868
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11063 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1317.2	28.3
10°-20°	2121.4	45.5
20°-30°	916.7	19.7
30°-40°	208.9	4.5
40°-50°	71.7	1.5
50°-60°	17.5	0.4
60°-70°	4.5	0.1
70°-80°	0.5	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°	4355.4	93.5
0°-40°	4564.3	98.0
0°-60°	4653.6	99.9
0°-90°	4658.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4658.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14980	14980	14980	14980	14980	
5°	14494	14480	14477	14508	14495	1318
15°	7942	7847	7900	7874	7860	2127
25°	1867	1937	2105	1888	1828	893
35°	313	320	300	298	252	213
45°	82	102	102	102	83	58
55°	13	14	25	15	14	13
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°	14979.7	14979.7	14979.7	14979.7	14979.7
2.5°	14880.5	14870.2	14876.1	14883.4	14886.3
5°	14494.3	14480.4	14477.4	14507.6	14495.1
7.5°	13715.5	13695.6	13665.5	13733.9	13797.9
10°	12410.8	12388.7	12323.3	12355.6	12407.9
12.5°	10484.6	10413.3	10411.8	10514.8	10500.8
15°	7942.2	7846.6	7899.5	7873.8	7859.8
17.5°	5340.9	5304.1	5374.7	5353.4	5261.4
20°	3842.0	3851.6	3986.2	3918.5	3836.9
22.5°	2803.6	2838.1	2997.7	2823.4	2759.4
25°	1866.6	1937.2	2104.9	1887.9	1828.3
27.5°	1148.0	1180.4	1350.3	1133.3	1101.0
30°	714.1	697.9	778.1	667.8	622.2
32.5°	468.5	447.9	473.6	425.1	388.3
35°	313.3	319.9	300.1	297.9	251.5
37.5°	195.6	225.0	198.6	211.8	161.8
40°	126.5	163.3	140.5	155.2	119.1
42.5°	103.7	125.8	115.5	122.8	105.9
45°	82.4	102.2	102.2	102.2	83.1
47.5°	45.6	68.4	87.5	69.9	48.5
50°	25.7	34.6	67.7	36.0	27.2
52.5°	17.7	19.9	46.3	20.6	18.4
55°	13.2	14.0	25.0	14.7	14.0
57.5°	10.3	11.0	13.2	11.0	10.3
60°	8.1	8.1	9.6	8.8	8.1
62.5°	5.9	5.9	6.6	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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