

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: P769552

Luminaire Tested: LD6D65D010-EU6DR3055659040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769552
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: LD6D65D010-EU6DR3055659040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6211.5 lumens
Efficiency: N/A
Efficacy: 85.3 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

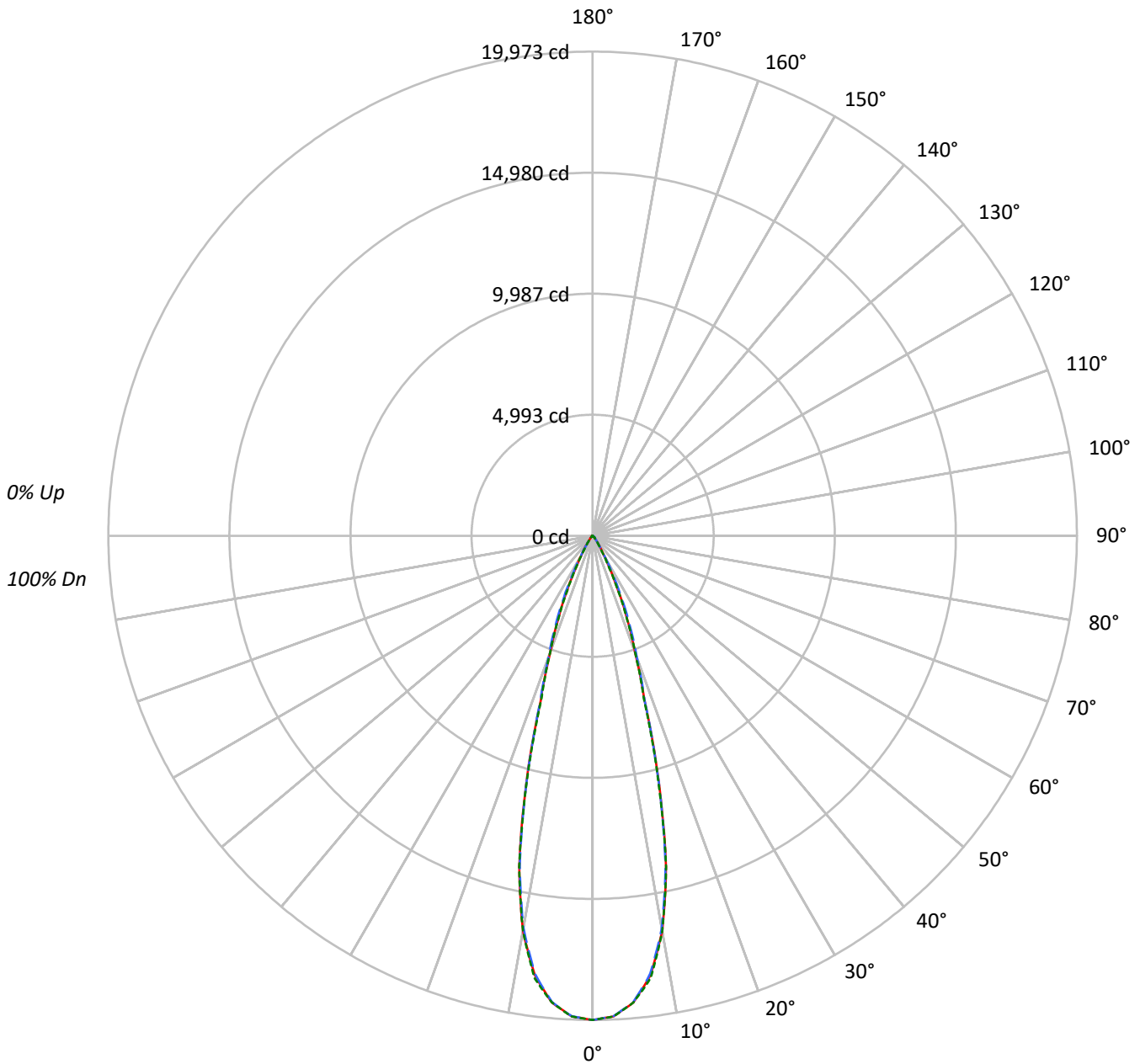
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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									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	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°	1528801	1528801	1528801
5°	1484913	1483176	1484982
10°	1286157	1277086	1285854
15°	839150	834649	830449
20°	417274	432929	416711
25°	210195	237027	205888
30°	84160	91699	73324
35°	39031	37386	31341
40°	16857	18715	15877
45°	11886	14754	11994
50°	4084	10741	4323
55°	2362	4444	2482
60°	1653	1944	1653
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1756.3	28.3
10°-20°	2828.6	45.5
20°-30°	1222.3	19.7
30°-40°	278.6	4.5
40°-50°	95.7	1.5
50°-60°	23.4	0.4
60°-70°	6.0	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°	5807.2	93.5
0°-40°	6085.8	98.0
0°-60°	6204.8	99.9
0°-90°	6211.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6211.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19973	19973	19973	19973	19973	
5°	19326	19307	19303	19343	19327	1758
15°	10590	10462	10533	10498	10480	2835
25°	2489	2583	2806	2517	2438	1191
35°	418	427	400	397	335	283
45°	110	136	136	136	111	78
55°	18	19	33	20	19	17
65°	6	6	6	6	6	6
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°	19973.0	19973.0	19973.0	19973.0	19973.0
2.5°	19840.6	19826.8	19834.7	19844.5	19848.4
5°	19325.8	19307.1	19303.2	19343.4	19326.7
7.5°	18287.3	18260.8	18220.6	18311.8	18397.1
10°	16547.7	16518.3	16431.0	16474.2	16543.8
12.5°	13979.5	13884.4	13882.4	14019.7	14001.1
15°	10589.5	10462.1	10532.7	10498.4	10479.7
17.5°	7121.1	7072.1	7166.3	7137.8	7015.2
20°	5122.7	5135.4	5314.9	5224.7	5115.8
22.5°	3738.1	3784.2	3996.9	3764.5	3679.2
25°	2488.8	2582.9	2806.5	2517.2	2437.8
27.5°	1530.7	1573.9	1800.4	1511.1	1468.0
30°	952.2	930.6	1037.5	890.4	829.6
32.5°	624.6	597.2	631.5	566.8	517.8
35°	417.7	426.6	400.1	397.1	335.4
37.5°	260.8	300.1	264.8	282.4	215.7
40°	168.7	217.7	187.3	206.9	158.9
42.5°	138.3	167.7	154.0	163.8	141.2
45°	109.8	136.3	136.3	136.3	110.8
47.5°	60.8	91.2	116.7	93.2	64.7
50°	34.3	46.1	90.2	48.0	36.3
52.5°	23.5	26.5	61.8	27.5	24.5
55°	17.7	18.6	33.3	19.6	18.6
57.5°	13.7	14.7	17.7	14.7	13.7
60°	10.8	10.8	12.7	11.8	10.8
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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