

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: P769528

Luminaire Tested: LD6D65D010-EU6DR3055659035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769528
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-EU6DR3055659035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

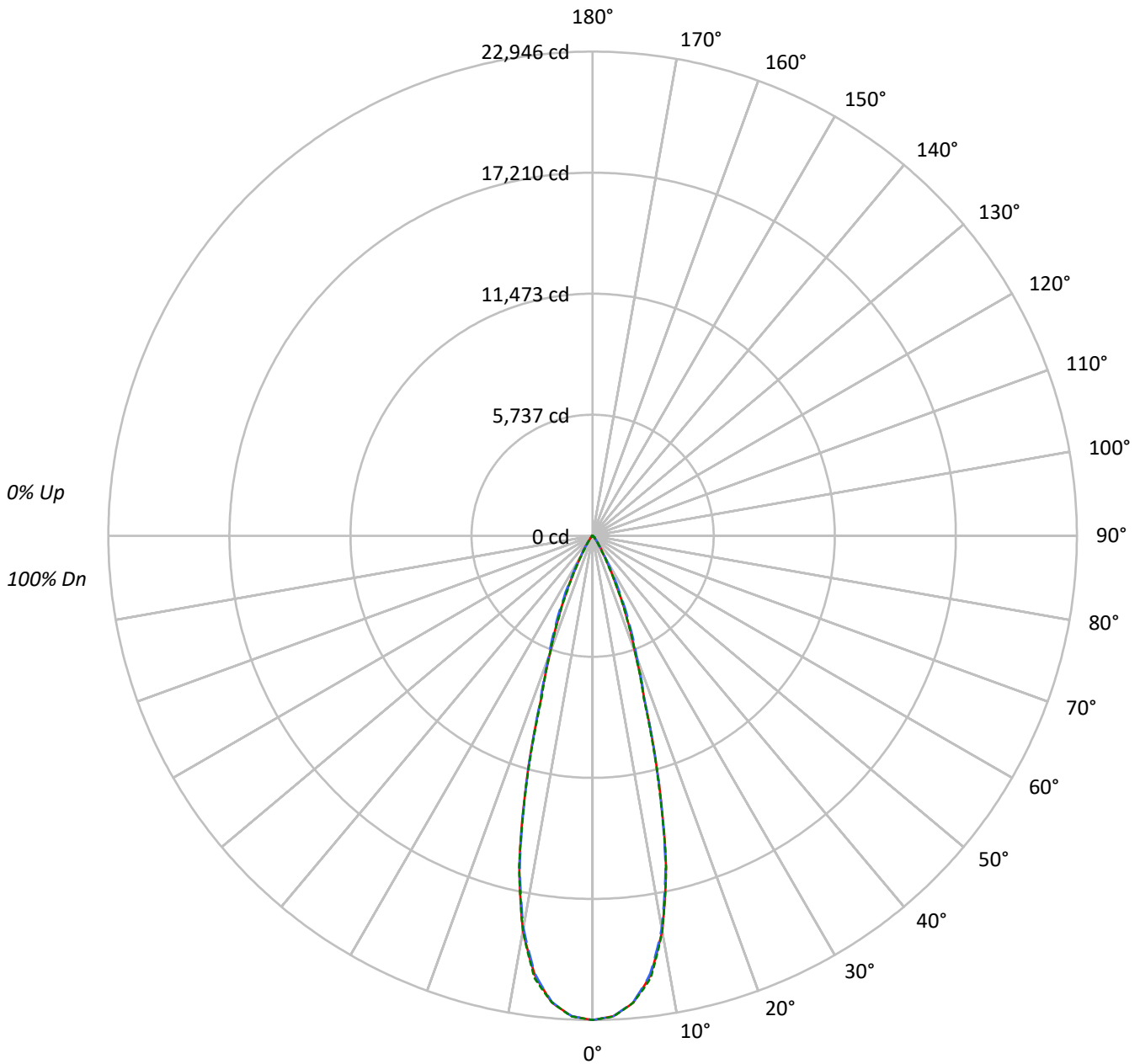
Lumens per Lamp: N/A
Luminaire Lumens: 7135.9 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1756326	1756326	1756326
5°	1705900	1703910	1705992
10°	1477568	1467153	1477218
15°	964045	958863	954045
20°	479375	497361	478732
25°	241477	272304	236528
30°	96684	105346	84239
35°	44843	42946	36003
40°	19365	21503	18235
45°	13661	16952	13780
50°	4692	12337	4966
55°	2709	5111	2856
60°	1898	2235	1898
65°	1232	1232	1232
70°	761	515	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2017.7	28.3
10°-20°	3249.5	45.5
20°-30°	1404.2	19.7
30°-40°	320.0	4.5
40°-50°	109.9	1.5
50°-60°	26.8	0.4
60°-70°	7.0	0.1
70°-80°	0.7	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°	6671.4	93.5
0°-40°	6991.5	98.0
0°-60°	7128.2	99.9
0°-90°	7135.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7135.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22946	22946	22946	22946	22946	
5°	22202	22180	22176	22222	22203	2019
15°	12166	12019	12100	12061	12039	3257
25°	2859	2967	3224	2892	2801	1369
35°	480	490	460	456	385	326
45°	126	157	157	157	127	90
55°	20	21	38	22	21	20
65°	7	7	7	7	7	7
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°	22945.5	22945.5	22945.5	22945.5	22945.5
2.5°	22793.4	22777.6	22786.6	22797.9	22802.4
5°	22201.9	22180.5	22176.0	22222.2	22203.1
7.5°	21008.9	20978.5	20932.3	21037.1	21135.1
10°	19010.4	18976.6	18876.4	18925.9	19005.9
12.5°	16060.0	15950.7	15948.5	16106.2	16084.8
15°	12165.6	12019.1	12100.2	12060.8	12039.4
17.5°	8181.0	8124.6	8232.8	8200.1	8059.3
20°	5885.1	5899.7	6105.9	6002.2	5877.2
22.5°	4294.4	4347.3	4591.8	4324.8	4226.8
25°	2859.2	2967.3	3224.2	2891.8	2800.6
27.5°	1758.5	1808.1	2068.3	1736.0	1686.4
30°	1093.9	1069.1	1191.9	1022.9	953.1
32.5°	717.6	686.1	725.5	651.1	594.8
35°	479.9	490.0	459.6	456.3	385.3
37.5°	299.7	344.7	304.2	324.4	247.8
40°	193.8	250.1	215.2	237.7	182.5
42.5°	158.8	192.6	176.9	188.1	162.2
45°	126.2	156.6	156.6	156.6	127.3
47.5°	69.8	104.8	134.1	107.0	74.4
50°	39.4	52.9	103.6	55.2	41.7
52.5°	27.0	30.4	71.0	31.5	28.2
55°	20.3	21.4	38.3	22.5	21.4
57.5°	15.8	16.9	20.3	16.9	15.8
60°	12.4	12.4	14.6	13.5	12.4
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.8	6.8	6.8	6.8	6.8
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.3	2.3	2.3	3.4
72.5°	2.3	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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