

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: P769554

Luminaire Tested: LD6D65D010-EU6DR3055659050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769554
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-EU6DR3055659050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

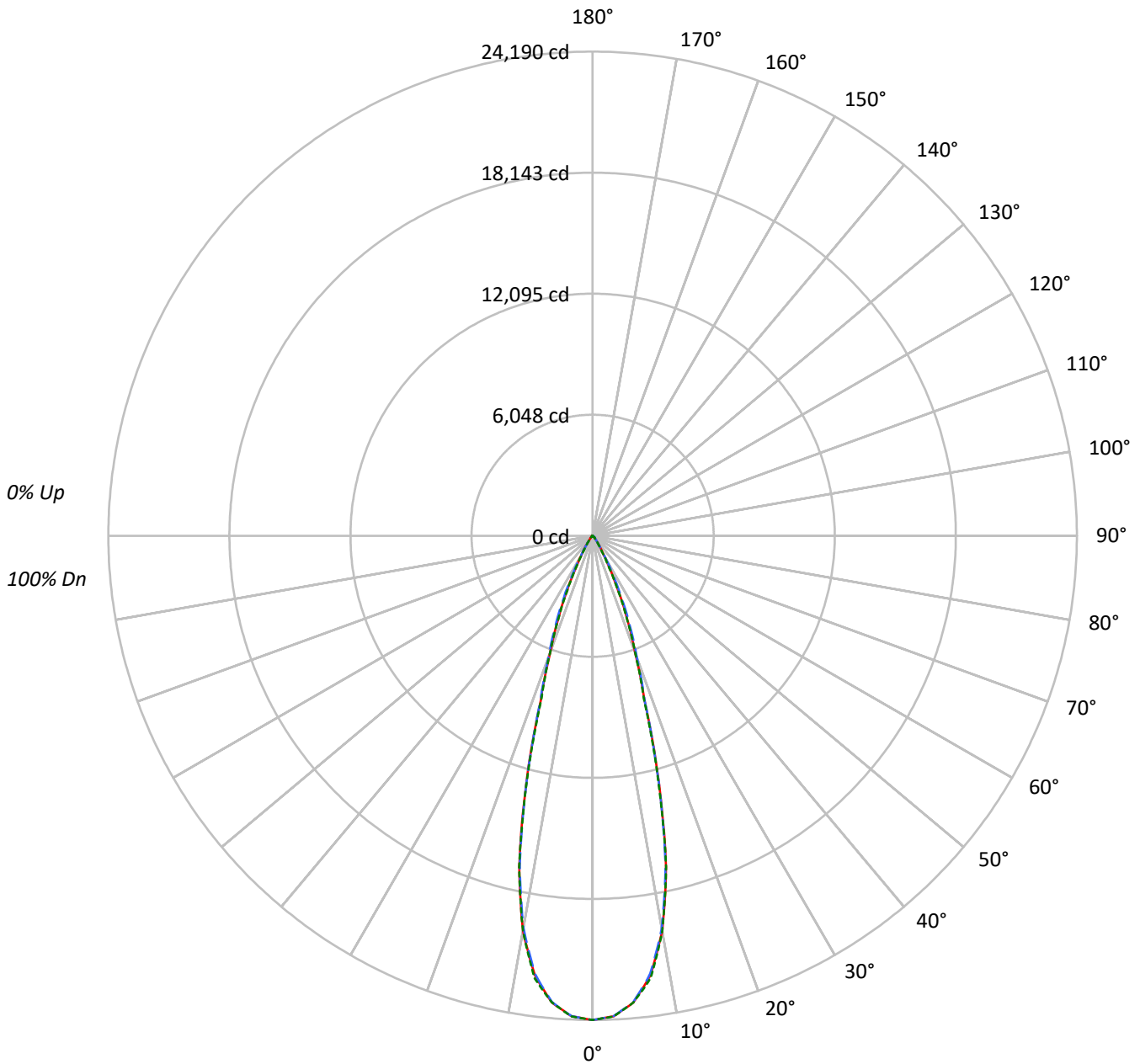
Lumens per Lamp: N/A
Luminaire Lumens: 7522.9 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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°	1851569	1851569	1851569
5°	1798411	1796313	1798503
10°	1557694	1546712	1557329
15°	1016322	1010862	1005783
20°	505368	524331	504692
25°	254568	287067	249357
30°	101925	111055	88800
35°	47272	45282	37956
40°	20414	22662	19225
45°	14397	17872	14527
50°	4954	13015	5228
55°	2856	5391	3016
60°	2005	2358	2005
65°	1286	1286	1286
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17872 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2127.1	28.3
10°-20°	3425.7	45.5
20°-30°	1480.4	19.7
30°-40°	337.4	4.5
40°-50°	115.9	1.5
50°-60°	28.3	0.4
60°-70°	7.3	0.1
70°-80°	0.8	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°	7033.2	93.5
0°-40°	7370.6	98.0
0°-60°	7514.8	99.9
0°-90°	7522.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7522.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24190	24190	24190	24190	24190	
5°	23406	23383	23379	23427	23407	2129
15°	12825	12671	12756	12715	12692	3434
25°	3014	3128	3399	3049	2952	1443
35°	506	517	485	481	406	343
45°	133	165	165	165	134	94
55°	21	23	40	24	23	21
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°	24189.8	24189.8	24189.8	24189.8	24189.8
2.5°	24029.4	24012.8	24022.3	24034.2	24038.9
5°	23405.9	23383.4	23378.6	23427.3	23407.1
7.5°	22148.2	22116.1	22067.5	22177.9	22281.2
10°	20041.3	20005.7	19900.0	19952.3	20036.6
12.5°	16930.9	16815.7	16813.4	16979.6	16957.1
15°	12825.3	12670.9	12756.4	12714.8	12692.3
17.5°	8624.6	8565.2	8679.2	8644.8	8496.3
20°	6204.2	6219.6	6437.0	6327.7	6195.9
22.5°	4527.3	4583.1	4840.8	4559.3	4456.0
25°	3014.2	3128.2	3399.0	3048.7	2952.5
27.5°	1853.9	1906.2	2180.5	1830.1	1777.9
30°	1153.2	1127.1	1256.5	1078.4	1004.7
32.5°	756.5	723.3	764.8	686.5	627.1
35°	505.9	516.6	484.6	481.0	406.2
37.5°	315.9	363.4	320.7	342.0	261.3
40°	204.3	263.7	226.8	250.6	192.4
42.5°	167.5	203.1	186.5	198.3	171.0
45°	133.0	165.1	165.1	165.1	134.2
47.5°	73.6	110.5	141.3	112.8	78.4
50°	41.6	55.8	109.3	58.2	43.9
52.5°	28.5	32.1	74.8	33.3	29.7
55°	21.4	22.6	40.4	23.8	22.6
57.5°	16.6	17.8	21.4	17.8	16.6
60°	13.1	13.1	15.4	14.3	13.1
62.5°	9.5	9.5	10.7	9.5	9.5
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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