

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: P769541

Luminaire Tested: LD6D65D010-EU6DR3055659040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769541
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-EU6DR3055659040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

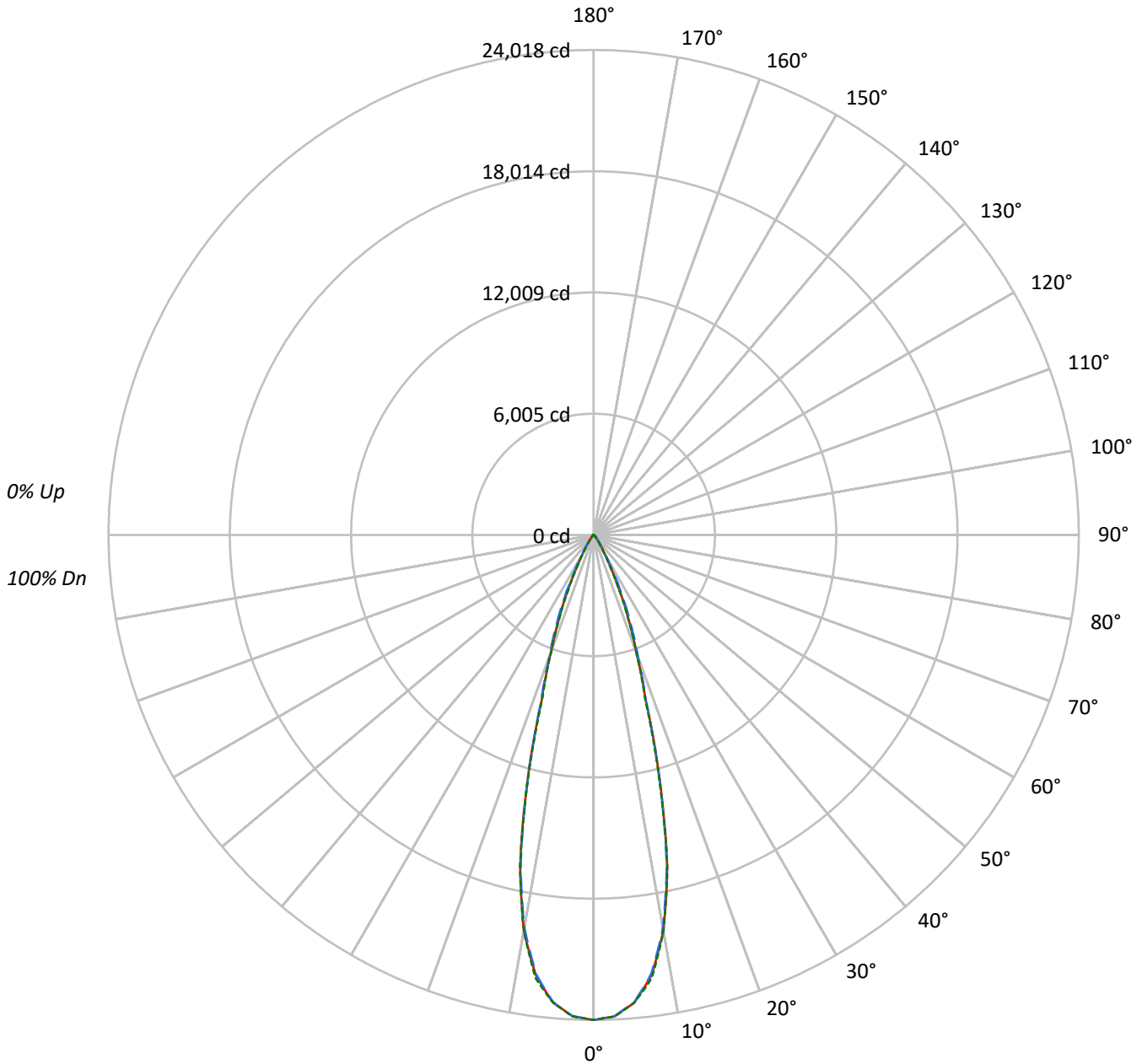
Lumens per Lamp: N/A
Luminaire Lumens: 7469.5 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (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



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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°	1838435	1838435	1838435
5°	1785656	1783574	1785748
10°	1546649	1535745	1546284
15°	1009111	1003691	998643
20°	501784	520608	501116
25°	252761	285032	247584
30°	101200	110269	88173
35°	46936	44955	37685
40°	20264	22502	19085
45°	14300	17742	14430
50°	4918	12920	5192
55°	2829	5351	2989
60°	1990	2342	1990
65°	1286	1286	1286
70°	783	537	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17742 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2112.0	28.3
10°-20°	3401.5	45.5
20°-30°	1469.9	19.7
30°-40°	335.0	4.5
40°-50°	115.0	1.5
50°-60°	28.1	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°	6983.3	93.5
0°-40°	7318.4	98.0
0°-60°	7461.5	99.9
0°-90°	7469.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7469.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24018	24018	24018	24018	24018	
5°	23240	23218	23213	23261	23241	2114
15°	12734	12581	12666	12625	12602	3410
25°	2993	3106	3375	3027	2932	1433
35°	502	513	481	478	403	341
45°	132	164	164	164	133	94
55°	21	22	40	24	22	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°	24018.2	24018.2	24018.2	24018.2	24018.2
2.5°	23859.0	23842.5	23851.9	23863.7	23868.4
5°	23239.9	23217.5	23212.8	23261.1	23241.1
7.5°	21991.1	21959.3	21910.9	22020.6	22123.2
10°	19899.2	19863.8	19758.9	19810.8	19894.5
12.5°	16810.9	16696.5	16694.1	16859.2	16836.8
15°	12734.3	12581.0	12665.9	12624.7	12602.2
17.5°	8563.4	8504.5	8617.7	8583.5	8436.1
20°	6160.2	6175.5	6391.3	6282.8	6152.0
22.5°	4495.2	4550.6	4806.5	4527.0	4424.4
25°	2992.8	3106.0	3374.9	3027.0	2931.5
27.5°	1840.8	1892.6	2165.0	1817.2	1765.3
30°	1145.0	1119.1	1247.6	1070.7	997.6
32.5°	751.2	718.1	759.4	681.6	622.6
35°	502.3	513.0	481.1	477.6	403.3
37.5°	313.7	360.8	318.4	339.6	259.4
40°	202.8	261.8	225.2	248.8	191.0
42.5°	166.3	201.6	185.1	196.9	169.8
45°	132.1	163.9	163.9	163.9	133.3
47.5°	73.1	109.7	140.3	112.0	77.8
50°	41.3	55.4	108.5	57.8	43.6
52.5°	28.3	31.8	74.3	33.0	29.5
55°	21.2	22.4	40.1	23.6	22.4
57.5°	16.5	17.7	21.2	17.7	16.5
60°	13.0	13.0	15.3	14.2	13.0
62.5°	9.4	9.4	10.6	9.4	9.4
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.4	2.4	2.4	3.5
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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