

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: P771101

Luminaire Tested: LD6D75BD010-EU6DR3070959040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771101
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: LD6D75BD010-EU6DR3070959040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

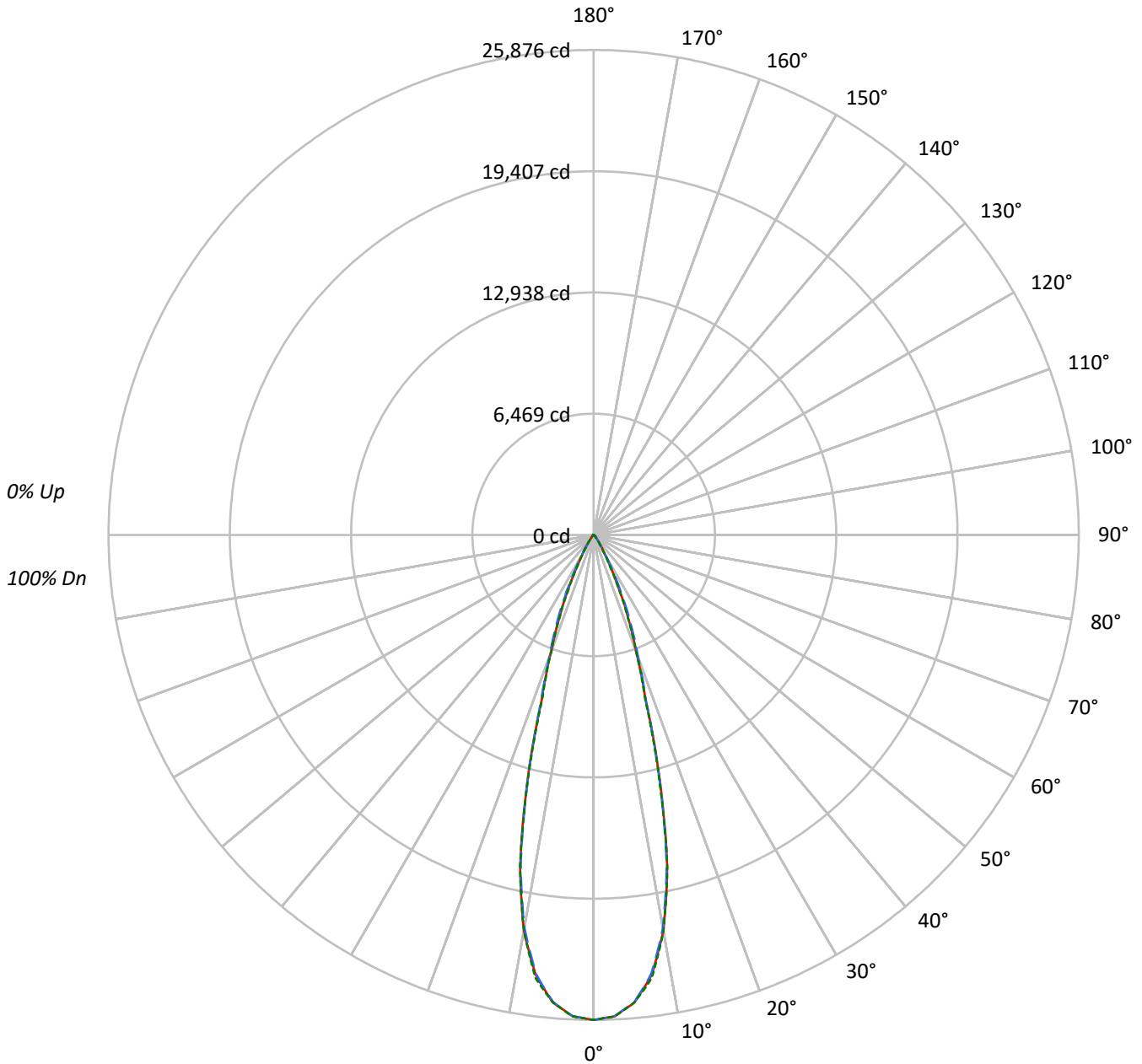
Lumens per Lamp: N/A
Luminaire Lumens: 8047.3 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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					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°	1980645	1980645	1980645
5°	1923784	1921540	1923883
10°	1666290	1654538	1665894
15°	1087174	1081334	1075898
20°	540598	560880	539873
25°	272312	307083	266738
30°	109031	118798	94996
35°	50571	48431	40601
40°	21833	24251	20564
45°	15404	19117	15545
50°	5299	13920	5597
55°	3056	5765	3216
60°	2143	2526	2143
65°	1376	1376	1376
70°	850	559	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19117 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2275.4	28.3
10°-20°	3664.6	45.5
20°-30°	1583.6	19.7
30°-40°	360.9	4.5
40°-50°	123.9	1.5
50°-60°	30.3	0.4
60°-70°	7.8	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°	7523.5	93.5
0°-40°	7884.5	98.0
0°-60°	8038.7	99.9
0°-90°	8047.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8047.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25876	25876	25876	25876	25876	
5°	25038	25014	25008	25060	25039	2277
15°	13719	13554	13646	13601	13577	3674
25°	3224	3346	3636	3261	3158	1543
35°	541	553	518	514	434	367
45°	142	177	177	177	144	101
55°	23	24	43	25	24	22
65°	8	8	8	8	8	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25876.1	25876.1	25876.1	25876.1	25876.1
2.5°	25704.6	25686.8	25697.0	25709.7	25714.7
5°	25037.6	25013.5	25008.4	25060.5	25038.9
7.5°	23692.2	23657.9	23605.8	23724.0	23834.5
10°	21438.5	21400.4	21287.3	21343.2	21433.4
12.5°	18111.2	17988.0	17985.5	18163.3	18139.2
15°	13719.4	13554.2	13645.7	13601.2	13577.1
17.5°	9225.9	9162.3	9284.3	9247.5	9088.6
20°	6636.7	6653.2	6885.7	6768.8	6627.8
22.5°	4842.9	4902.6	5178.3	4877.2	4766.6
25°	3224.3	3346.3	3636.0	3261.2	3158.3
27.5°	1983.1	2039.0	2332.5	1957.7	1901.8
30°	1233.6	1205.6	1344.1	1153.5	1074.8
32.5°	809.3	773.7	818.2	734.3	670.8
35°	541.2	552.6	518.3	514.5	434.5
37.5°	337.9	388.8	343.0	365.9	279.5
40°	218.5	282.0	242.7	268.1	205.8
42.5°	179.1	217.2	199.5	212.2	182.9
45°	142.3	176.6	176.6	176.6	143.6
47.5°	78.8	118.1	151.2	120.7	83.8
50°	44.5	59.7	116.9	62.3	47.0
52.5°	30.5	34.3	80.0	35.6	31.8
55°	22.9	24.1	43.2	25.4	24.1
57.5°	17.8	19.1	22.9	19.1	17.8
60°	14.0	14.0	16.5	15.2	14.0
62.5°	10.2	10.2	11.4	10.2	10.2
65°	7.6	7.6	7.6	7.6	7.6
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.5	2.5	2.5	3.8
72.5°	2.5	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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