

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: P771854

Luminaire Tested: LD6D80BD010-EU6DR3070959027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771854
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: LD6D80BD010-EU6DR3070959027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7702.5 lumens
Efficiency: N/A
Efficacy: 97.6 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

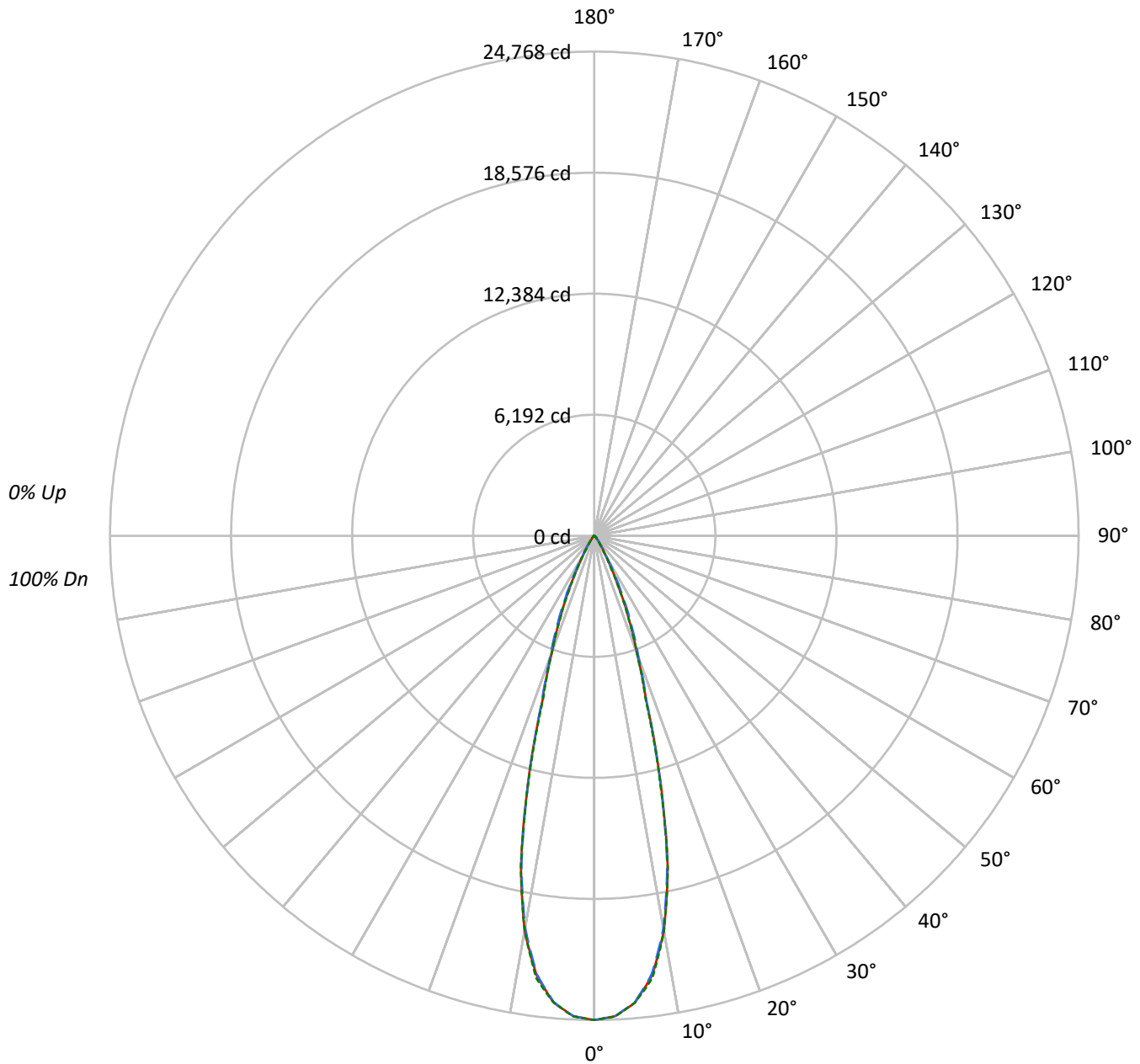
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1895789	1895789	1895789
5°	1841362	1839210	1841454
10°	1594901	1583654	1594520
15°	1040595	1035000	1029802
20°	517440	536851	516747
25°	260649	293925	255311
30°	104356	113707	90921
35°	48403	46357	38863
40°	20903	23211	19684
45°	14743	18294	14873
50°	5073	13325	5359
55°	2923	5511	3083
60°	2051	2419	2051
65°	1322	1322	1322
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: 18294 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2177.9	28.3
10°-20°	3507.6	45.5
20°-30°	1515.7	19.7
30°-40°	345.5	4.5
40°-50°	118.6	1.5
50°-60°	29.0	0.4
60°-70°	7.5	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°	7201.2	93.5
0°-40°	7546.7	98.0
0°-60°	7694.3	99.9
0°-90°	7702.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7702.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24768	24768	24768	24768	24768	
5°	23965	23942	23937	23987	23966	2180
15°	13132	12974	13061	13018	12995	3516
25°	3086	3203	3480	3122	3023	1477
35°	518	529	496	492	416	351
45°	136	169	169	169	137	97
55°	22	23	41	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24767.5	24767.5	24767.5	24767.5	24767.5
2.5°	24603.3	24586.3	24596.0	24608.2	24613.0
5°	23964.9	23941.8	23936.9	23986.8	23966.1
7.5°	22677.2	22644.3	22594.5	22707.6	22813.4
10°	20520.0	20483.5	20375.3	20428.8	20515.1
12.5°	17335.3	17217.3	17214.9	17385.1	17362.0
15°	13131.6	12973.5	13061.0	13018.5	12995.4
17.5°	8830.6	8769.8	8886.5	8851.3	8699.3
20°	6352.4	6368.2	6590.7	6478.8	6343.9
22.5°	4635.4	4692.5	4956.4	4668.2	4562.4
25°	3086.2	3202.9	3480.2	3121.5	3023.0
27.5°	1898.2	1951.7	2232.6	1873.9	1820.4
30°	1180.7	1154.0	1286.5	1104.1	1028.7
32.5°	774.6	740.5	783.1	702.8	642.0
35°	518.0	529.0	496.1	492.5	415.9
37.5°	323.5	372.1	328.3	350.2	267.5
40°	209.2	270.0	232.3	256.6	197.0
42.5°	171.5	207.9	190.9	203.1	175.1
45°	136.2	169.0	169.0	169.0	137.4
47.5°	75.4	113.1	144.7	115.5	80.3
50°	42.6	57.2	111.9	59.6	45.0
52.5°	29.2	32.8	76.6	34.0	30.4
55°	21.9	23.1	41.3	24.3	23.1
57.5°	17.0	18.2	21.9	18.2	17.0
60°	13.4	13.4	15.8	14.6	13.4
62.5°	9.7	9.7	10.9	9.7	9.7
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.6	4.9	4.9	4.9	4.9
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)