

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: P771844

Luminaire Tested: LD6D80BD010-EU6DR3070959027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771844
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-EU6DR3070959027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST 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: 8367.6 lumens
Efficiency: N/A
Efficacy: 106.1 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

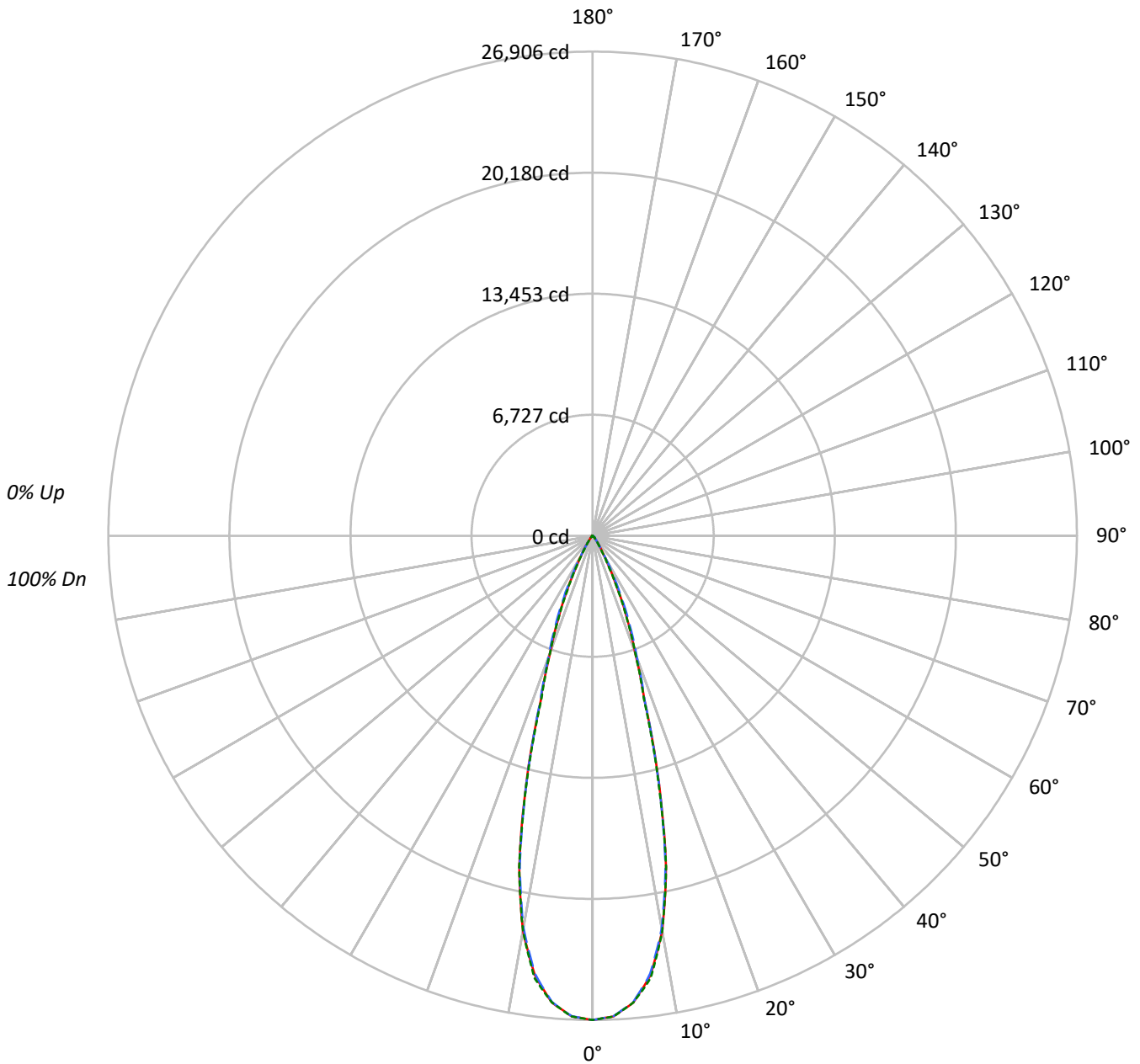
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	2059469	2059469	2059469
5°	2000343	1998007	2000443
10°	1732605	1720386	1732193
15°	1130433	1124363	1118713
20°	562110	583207	561361
25°	283157	319304	277354
30°	113371	123526	98779
35°	52580	50365	42217
40°	22702	25210	21383
45°	16021	19874	16162
50°	5502	14468	5823
55°	3176	5992	3350
60°	2220	2633	2220
65°	1431	1431	1431
70°	895	582	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19874 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2366.0	28.3
10°-20°	3810.4	45.5
20°-30°	1646.6	19.7
30°-40°	375.3	4.5
40°-50°	128.9	1.5
50°-60°	31.5	0.4
60°-70°	8.2	0.1
70°-80°	0.9	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°	7823.0	93.5
0°-40°	8198.2	98.0
0°-60°	8358.6	99.9
0°-90°	8367.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8367.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26906	26906	26906	26906	26906	
5°	26034	26009	26004	26058	26035	2368
15°	14265	14094	14189	14142	14117	3820
25°	3353	3480	3781	3391	3284	1605
35°	563	575	539	535	452	382
45°	148	184	184	184	149	105
55°	24	25	45	26	25	23
65°	8	8	8	8	8	8
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°	26905.9	26905.9	26905.9	26905.9	26905.9
2.5°	26727.5	26709.0	26719.6	26732.8	26738.1
5°	26034.0	26008.9	26003.6	26057.8	26035.3
7.5°	24635.1	24599.4	24545.3	24668.1	24783.0
10°	22291.7	22252.0	22134.5	22192.6	22286.4
12.5°	18832.0	18703.9	18701.2	18886.2	18861.1
15°	14265.3	14093.6	14188.7	14142.5	14117.4
17.5°	9593.0	9527.0	9653.8	9615.5	9450.3
20°	6900.8	6918.0	7159.8	7038.2	6891.6
22.5°	5035.6	5097.7	5384.3	5071.3	4956.3
25°	3352.7	3479.5	3780.7	3391.0	3284.0
27.5°	2062.1	2120.2	2425.3	2035.6	1977.5
30°	1282.7	1253.6	1397.6	1199.5	1117.6
32.5°	841.5	804.5	850.7	763.5	697.5
35°	562.7	574.6	539.0	535.0	451.8
37.5°	351.4	404.2	356.7	380.4	290.6
40°	227.2	293.3	252.3	278.7	214.0
42.5°	186.3	225.9	207.4	220.6	190.2
45°	148.0	183.6	183.6	183.6	149.3
47.5°	81.9	122.9	157.2	125.5	87.2
50°	46.2	62.1	121.5	64.7	48.9
52.5°	31.7	35.7	83.2	37.0	33.0
55°	23.8	25.1	44.9	26.4	25.1
57.5°	18.5	19.8	23.8	19.8	18.5
60°	14.5	14.5	17.2	15.9	14.5
62.5°	10.6	10.6	11.9	10.6	10.6
65°	7.9	7.9	7.9	7.9	7.9
67.5°	4.0	5.3	5.3	5.3	5.3
70°	4.0	2.6	2.6	2.6	4.0
72.5°	2.6	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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