

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: P771116

Luminaire Tested: LD6D75BD010-EU6DR3070959050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771116
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-EU6DR3070959050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8106.1 lumens
Efficiency: N/A
Efficacy: 112.0 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

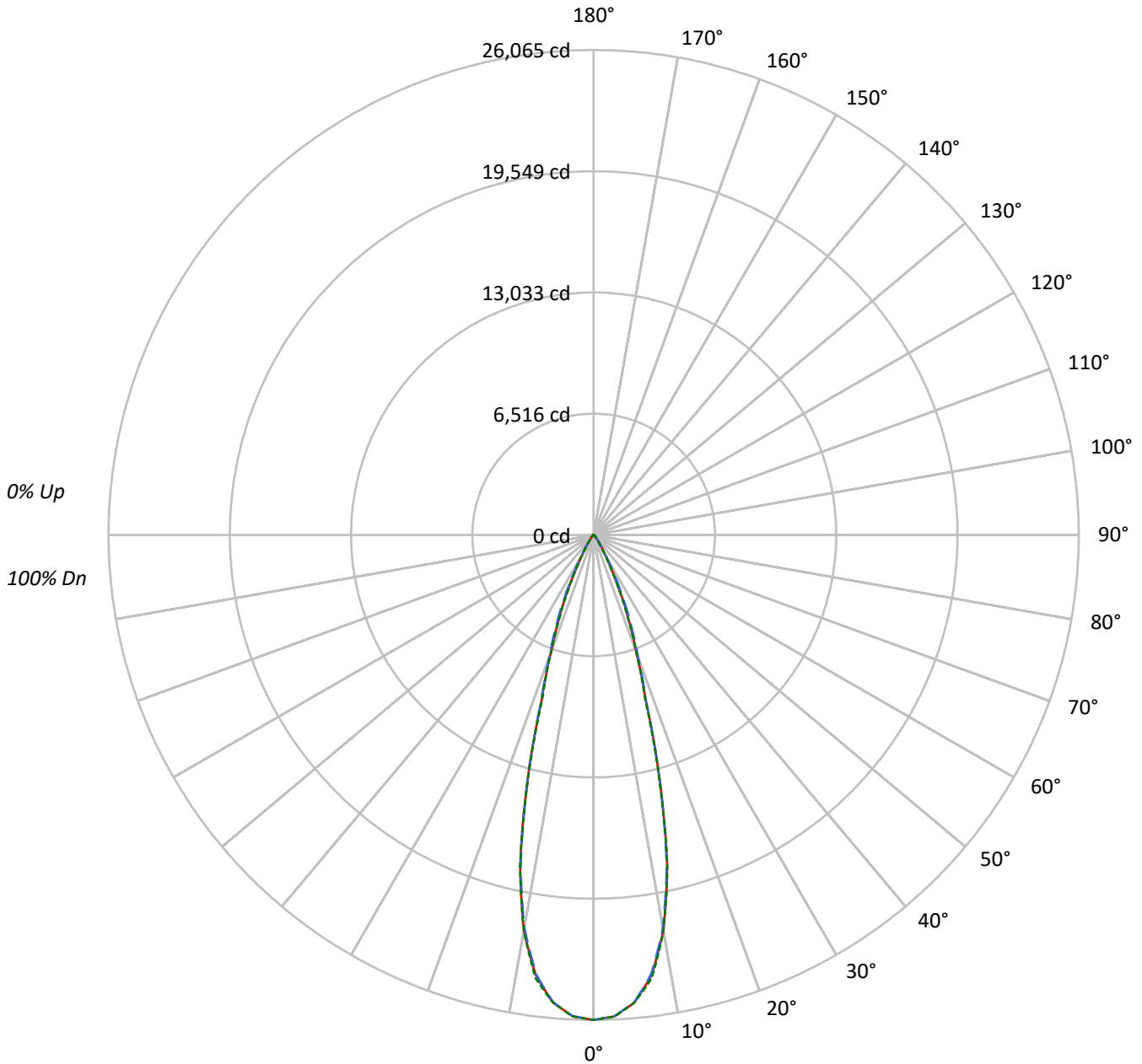
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1995104	1995104	1995104
5°	1937829	1935570	1937929
10°	1678454	1666617	1678058
15°	1095106	1089226	1083751
20°	544548	564977	543815
25°	274306	309321	268681
30°	109827	119664	95685
35°	50945	48786	40900
40°	21992	24421	20713
45°	15512	19257	15653
50°	5335	14016	5633
55°	3069	5805	3243
60°	2159	2541	2159
65°	1395	1395	1395
70°	850	582	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: 19257 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2292.0	28.3
10°-20°	3691.3	45.5
20°-30°	1595.1	19.7
30°-40°	363.6	4.5
40°-50°	124.8	1.5
50°-60°	30.5	0.4
60°-70°	7.9	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°	7578.5	93.5
0°-40°	7942.0	98.0
0°-60°	8097.3	99.9
0°-90°	8106.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8106.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26065	26065	26065	26065	26065	
5°	25220	25196	25191	25244	25222	2294
15°	13820	13653	13745	13700	13676	3700
25°	3248	3371	3662	3285	3181	1555
35°	545	557	522	518	438	370
45°	143	178	178	178	145	102
55°	23	24	44	26	24	22
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°	26065.0	26065.0	26065.0	26065.0	26065.0
2.5°	25892.3	25874.3	25884.6	25897.4	25902.5
5°	25220.4	25196.1	25191.0	25243.5	25221.7
7.5°	23865.2	23830.7	23778.2	23897.2	24008.5
10°	21595.0	21556.6	21442.7	21499.0	21589.9
12.5°	18243.5	18119.3	18116.8	18295.9	18271.6
15°	13819.5	13653.2	13745.3	13700.5	13676.2
17.5°	9293.2	9229.2	9352.1	9315.0	9155.0
20°	6685.2	6701.8	6936.0	6818.3	6676.2
22.5°	4878.2	4938.4	5216.1	4912.8	4801.5
25°	3247.9	3370.7	3662.5	3285.0	3181.3
27.5°	1997.6	2053.9	2349.5	1972.0	1915.7
30°	1242.6	1214.4	1353.9	1162.0	1082.6
32.5°	815.2	779.3	824.1	739.7	675.7
35°	545.2	556.7	522.1	518.3	437.7
37.5°	340.4	391.6	345.5	368.6	281.5
40°	220.1	284.1	244.4	270.0	207.3
42.5°	180.4	218.8	200.9	213.7	184.3
45°	143.3	177.9	177.9	177.9	144.6
47.5°	79.3	119.0	152.3	121.6	84.5
50°	44.8	60.1	117.7	62.7	47.3
52.5°	30.7	34.6	80.6	35.8	32.0
55°	23.0	24.3	43.5	25.6	24.3
57.5°	17.9	19.2	23.0	19.2	17.9
60°	14.1	14.1	16.6	15.4	14.1
62.5°	10.2	10.2	11.5	10.2	10.2
65°	7.7	7.7	7.7	7.7	7.7
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.6	2.6	2.6	3.8
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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