

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: P772637

Luminaire Tested: LD6D85BD010-EU6DR3070959030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772637
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: LD6D85BD010-EU6DR3070959030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9177.1 lumens
Efficiency: N/A
Efficacy: 104.6 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

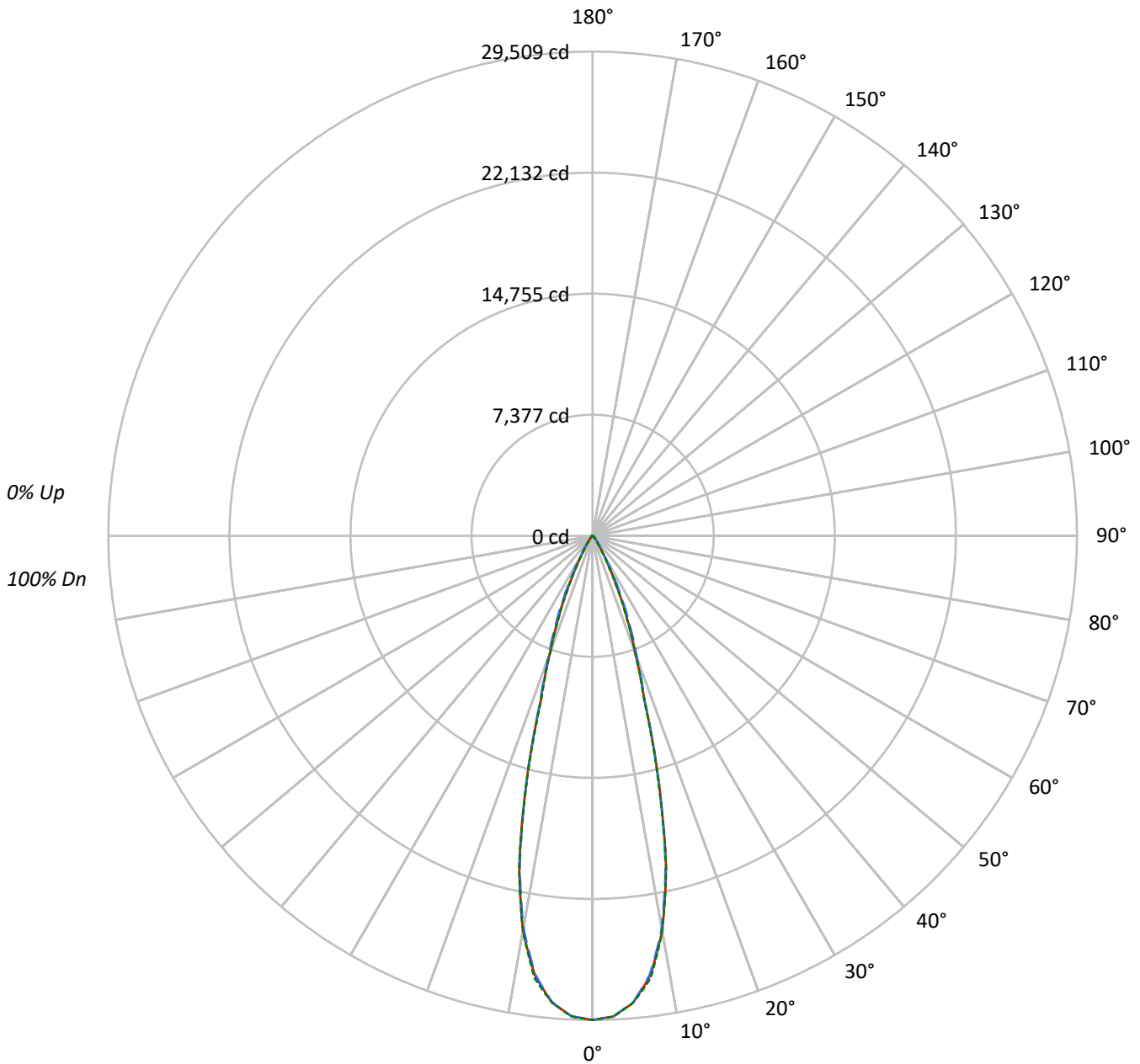
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2258704	2258704	2258704
5°	2193861	2191303	2193977
10°	1900217	1886817	1899766
15°	1239797	1233141	1226944
20°	616498	639623	615667
25°	310546	350190	304186
30°	124340	135476	108333
35°	57673	55234	46301
40°	24900	27648	23451
45°	17569	21801	17720
50°	6037	15873	6383
55°	3483	6579	3670
60°	2434	2878	2434
65°	1576	1576	1576
70°	962	649	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 21801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2594.9	28.3
10°-20°	4179.0	45.5
20°-30°	1805.9	19.7
30°-40°	411.6	4.5
40°-50°	141.3	1.5
50°-60°	34.5	0.4
60°-70°	8.9	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°	8579.8	93.5
0°-40°	8991.4	98.0
0°-60°	9167.2	99.9
0°-90°	9177.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9177.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29509	29509	29509	29509	29509	
5°	28553	28525	28519	28579	28554	2597
15°	15645	15457	15561	15511	15483	4189
25°	3677	3816	4146	3719	3602	1760
35°	617	630	591	587	496	419
45°	162	201	201	201	164	115
55°	26	28	49	29	28	25
65°	9	9	9	9	9	9
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°	29508.8	29508.8	29508.8	29508.8	29508.8
2.5°	29313.3	29293.0	29304.6	29319.1	29324.8
5°	28552.6	28525.1	28519.3	28578.7	28554.1
7.5°	27018.4	26979.3	26919.9	27054.6	27180.6
10°	24448.2	24404.8	24275.8	24339.6	24442.4
12.5°	20653.9	20513.3	20510.4	20713.3	20685.7
15°	15645.4	15457.1	15561.4	15510.7	15483.2
17.5°	10521.1	10448.6	10587.7	10545.7	10364.6
20°	7568.5	7587.3	7852.4	7719.1	7558.3
22.5°	5522.8	5590.9	5905.2	5561.9	5435.8
25°	3677.0	3816.1	4146.4	3719.0	3601.7
27.5°	2261.6	2325.3	2660.0	2232.6	2168.8
30°	1406.8	1374.9	1532.8	1315.5	1225.7
32.5°	922.9	882.3	933.0	837.4	765.0
35°	617.2	630.2	591.1	586.8	495.5
37.5°	385.4	443.3	391.2	417.2	318.7
40°	249.2	321.6	276.7	305.7	234.7
42.5°	204.3	247.7	227.5	241.9	208.6
45°	162.3	201.4	201.4	201.4	163.7
47.5°	89.8	134.7	172.4	137.6	95.6
50°	50.7	68.1	133.3	71.0	53.6
52.5°	34.8	39.1	91.3	40.6	36.2
55°	26.1	27.5	49.3	29.0	27.5
57.5°	20.3	21.7	26.1	21.7	20.3
60°	15.9	15.9	18.8	17.4	15.9
62.5°	11.6	11.6	13.0	11.6	11.6
65°	8.7	8.7	8.7	8.7	8.7
67.5°	4.3	5.8	5.8	5.8	5.8
70°	4.3	2.9	2.9	2.9	4.3
72.5°	2.9	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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