

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: P772673

Luminaire Tested: LD6D85BD010-EU6DR3070959040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772673
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-EU6DR3070959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8935.8 lumens
Efficiency: N/A
Efficacy: 101.9 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

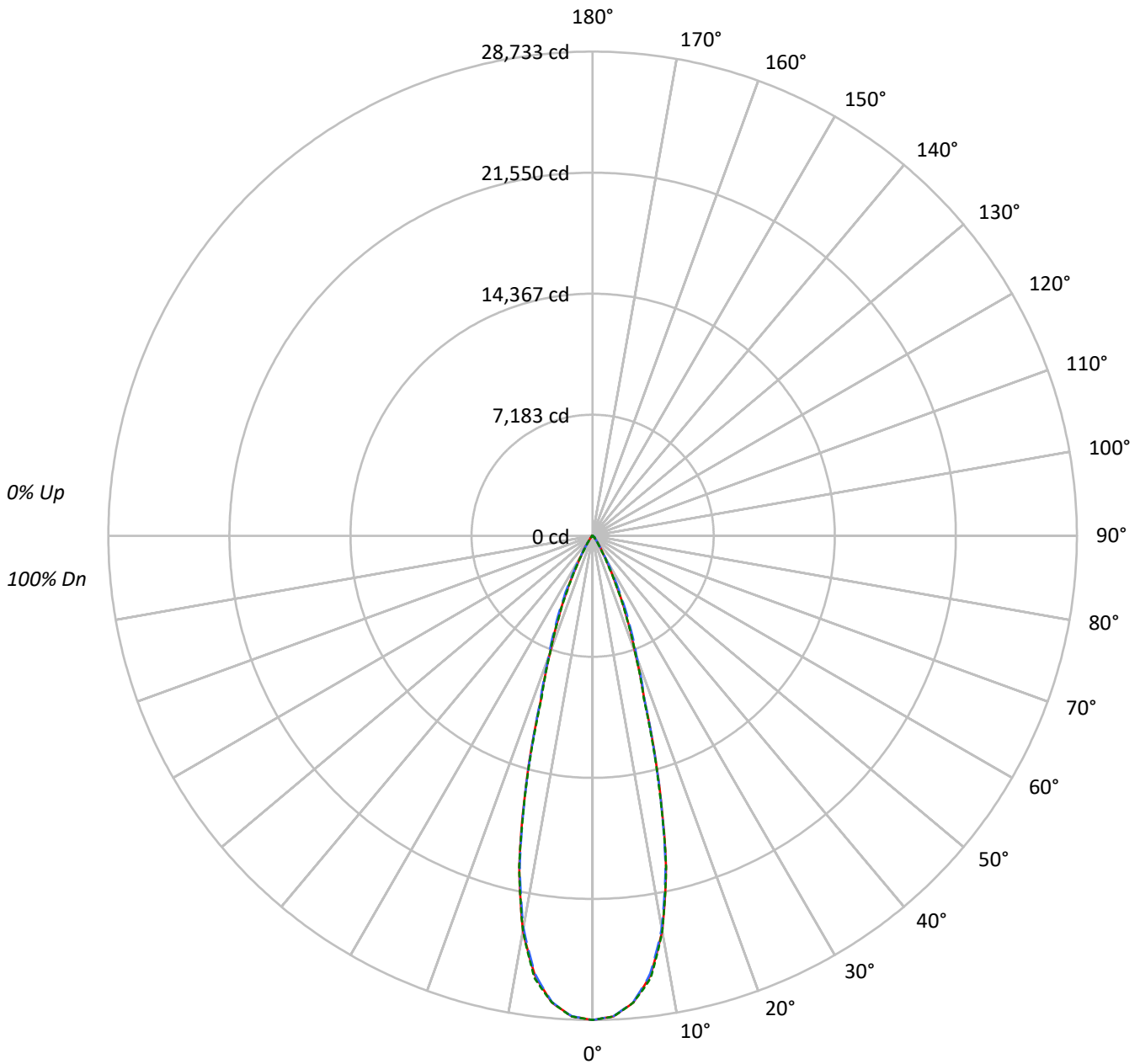
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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									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°	2199321	2199321	2199321
5°	2136181	2133691	2136296
10°	1850263	1837214	1849820
15°	1207204	1200722	1194684
20°	600288	622811	599482
25°	302379	340984	296188
30°	121069	131914	105478
35°	56159	53785	45086
40°	24241	26919	22832
45°	17103	21228	17255
50°	5883	15457	6216
55°	3390	6406	3576
60°	2373	2801	2373
65°	1539	1539	1539
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21228 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2526.6	28.3
10°-20°	4069.2	45.5
20°-30°	1758.4	19.7
30°-40°	400.8	4.5
40°-50°	137.6	1.5
50°-60°	33.6	0.4
60°-70°	8.7	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°	8354.2	93.5
0°-40°	8755.0	98.0
0°-60°	8926.2	99.9
0°-90°	8935.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8935.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28733	28733	28733	28733	28733	
5°	27802	27775	27770	27827	27803	2529
15°	15234	15051	15152	15103	15076	4079
25°	3580	3716	4037	3621	3507	1714
35°	601	614	576	571	482	408
45°	158	196	196	196	159	112
55°	25	27	48	28	27	25
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°	28733.0	28733.0	28733.0	28733.0	28733.0
2.5°	28542.6	28522.8	28534.1	28548.2	28553.8
5°	27801.9	27775.1	27769.5	27827.3	27803.4
7.5°	26308.0	26269.9	26212.1	26343.3	26466.0
10°	23805.5	23763.1	23637.6	23699.6	23799.8
12.5°	20110.8	19974.0	19971.2	20168.7	20141.9
15°	15234.1	15050.7	15152.3	15102.9	15076.1
17.5°	10244.5	10173.9	10309.3	10268.4	10092.1
20°	7369.5	7387.8	7646.0	7516.2	7359.6
22.5°	5377.6	5443.9	5750.0	5415.7	5292.9
25°	3580.3	3715.8	4037.4	3621.3	3507.0
27.5°	2202.1	2264.2	2590.0	2173.9	2111.8
30°	1369.8	1338.7	1492.5	1280.9	1193.4
32.5°	898.6	859.1	908.5	815.4	744.8
35°	601.0	613.7	575.6	571.3	482.5
37.5°	375.2	431.7	380.9	406.3	310.4
40°	242.6	313.2	269.4	297.7	228.5
42.5°	198.9	241.2	221.5	235.6	203.1
45°	158.0	196.1	196.1	196.1	159.4
47.5°	87.5	131.2	167.9	134.0	93.1
50°	49.4	66.3	129.8	69.1	52.2
52.5°	33.9	38.1	88.9	39.5	35.3
55°	25.4	26.8	48.0	28.2	26.8
57.5°	19.7	21.2	25.4	21.2	19.7
60°	15.5	15.5	18.3	16.9	15.5
62.5°	11.3	11.3	12.7	11.3	11.3
65°	8.5	8.5	8.5	8.5	8.5
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	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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