

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: P774220

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774220
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: LD6D95BD010-EU6DR3070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9276.0 lumens
Efficiency: N/A
Efficacy: 93.5 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

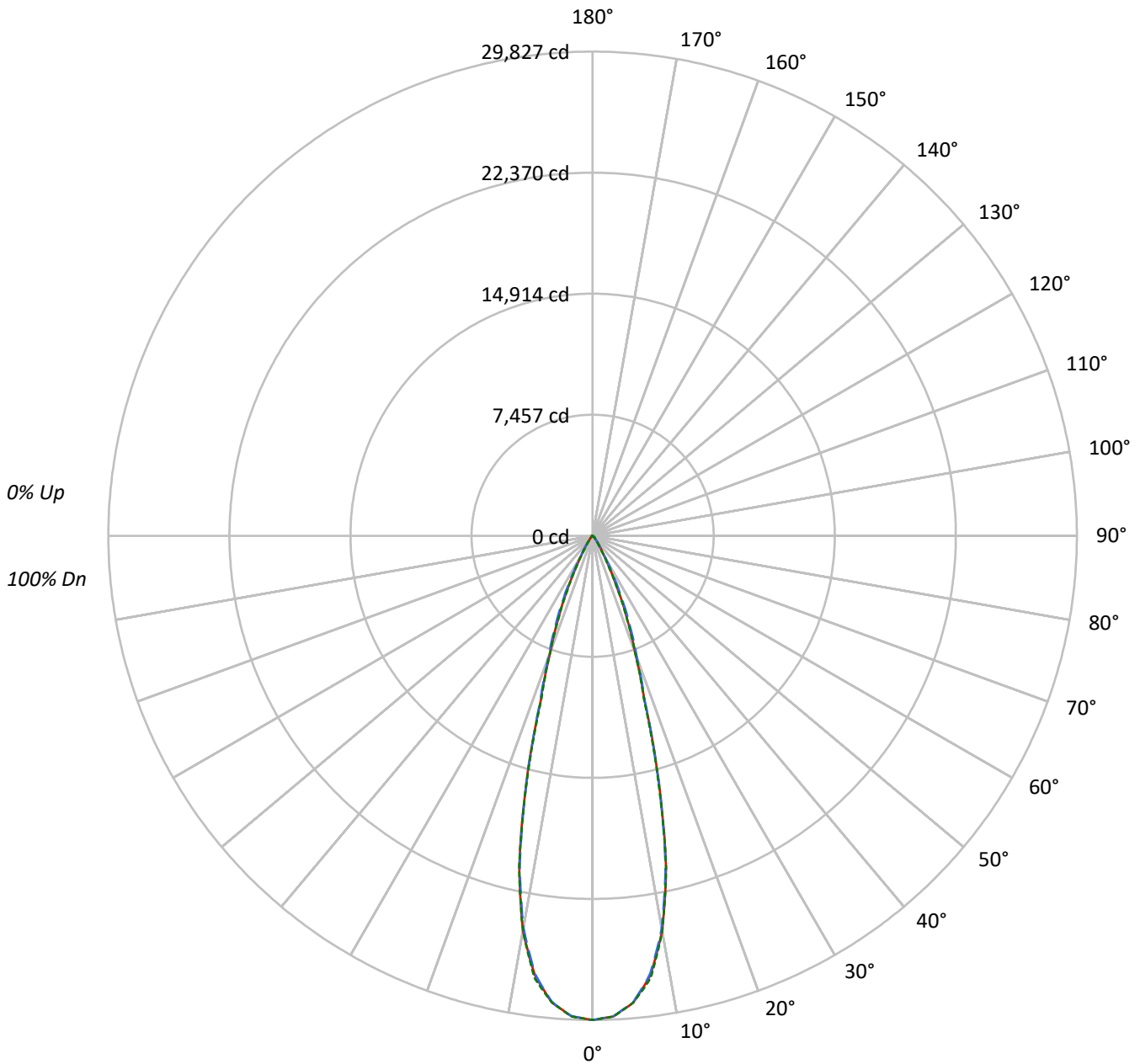
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2283045	2283045	2283045
5°	2217504	2214914	2217611
10°	1920689	1907150	1920239
15°	1253158	1246422	1240162
20°	623137	646515	622298
25°	313890	353965	307463
30°	125674	136934	109500
35°	58289	55832	46796
40°	25170	27948	23701
45°	17753	22039	17915
50°	6109	16040	6454
55°	3523	6646	3710
60°	2465	2909	2465
65°	1594	1594	1594
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22039 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2622.8	28.3
10°-20°	4224.1	45.5
20°-30°	1825.3	19.7
30°-40°	416.0	4.5
40°-50°	142.9	1.5
50°-60°	34.9	0.4
60°-70°	9.1	0.1
70°-80°	1.0	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°	8672.2	93.5
0°-40°	9088.2	98.0
0°-60°	9266.0	99.9
0°-90°	9276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29827	29827	29827	29827	29827	
5°	28860	28832	28827	28887	28862	2625
15°	15814	15624	15729	15678	15650	4234
25°	3717	3857	4191	3759	3640	1779
35°	624	637	598	593	501	423
45°	164	204	204	204	166	116
55°	26	28	50	29	28	26
65°	9	9	9	9	9	9
75°	0	0	2	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°	29826.8	29826.8	29826.8	29826.8	29826.8
2.5°	29629.1	29608.6	29620.3	29634.9	29640.8
5°	28860.3	28832.4	28826.6	28886.6	28861.7
7.5°	27309.5	27269.9	27209.9	27346.1	27473.5
10°	24711.6	24667.7	24537.4	24601.8	24705.8
12.5°	20876.4	20734.3	20731.4	20936.4	20908.6
15°	15814.0	15623.6	15729.0	15677.8	15650.0
17.5°	10634.4	10561.2	10701.8	10659.3	10476.3
20°	7650.0	7669.0	7937.0	7802.3	7639.7
22.5°	5582.3	5651.1	5968.9	5621.8	5494.4
25°	3716.6	3857.2	4191.1	3759.1	3640.5
27.5°	2285.9	2350.4	2688.6	2256.6	2192.2
30°	1421.9	1389.7	1549.3	1329.7	1238.9
32.5°	932.8	891.8	943.1	846.4	773.2
35°	623.8	637.0	597.5	593.1	500.8
37.5°	389.5	448.1	395.4	421.7	322.2
40°	251.9	325.1	279.7	309.0	237.2
42.5°	206.5	250.4	229.9	244.6	210.9
45°	164.0	203.6	203.6	203.6	165.5
47.5°	90.8	136.2	174.3	139.1	96.6
50°	51.3	68.8	134.7	71.8	54.2
52.5°	35.1	39.5	92.3	41.0	36.6
55°	26.4	27.8	49.8	29.3	27.8
57.5°	20.5	22.0	26.4	22.0	20.5
60°	16.1	16.1	19.0	17.6	16.1
62.5°	11.7	11.7	13.2	11.7	11.7
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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