

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: P774195

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774195
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-EU6DR3070959030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9970.2 lumens
Efficiency: N/A
Efficacy: 100.5 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

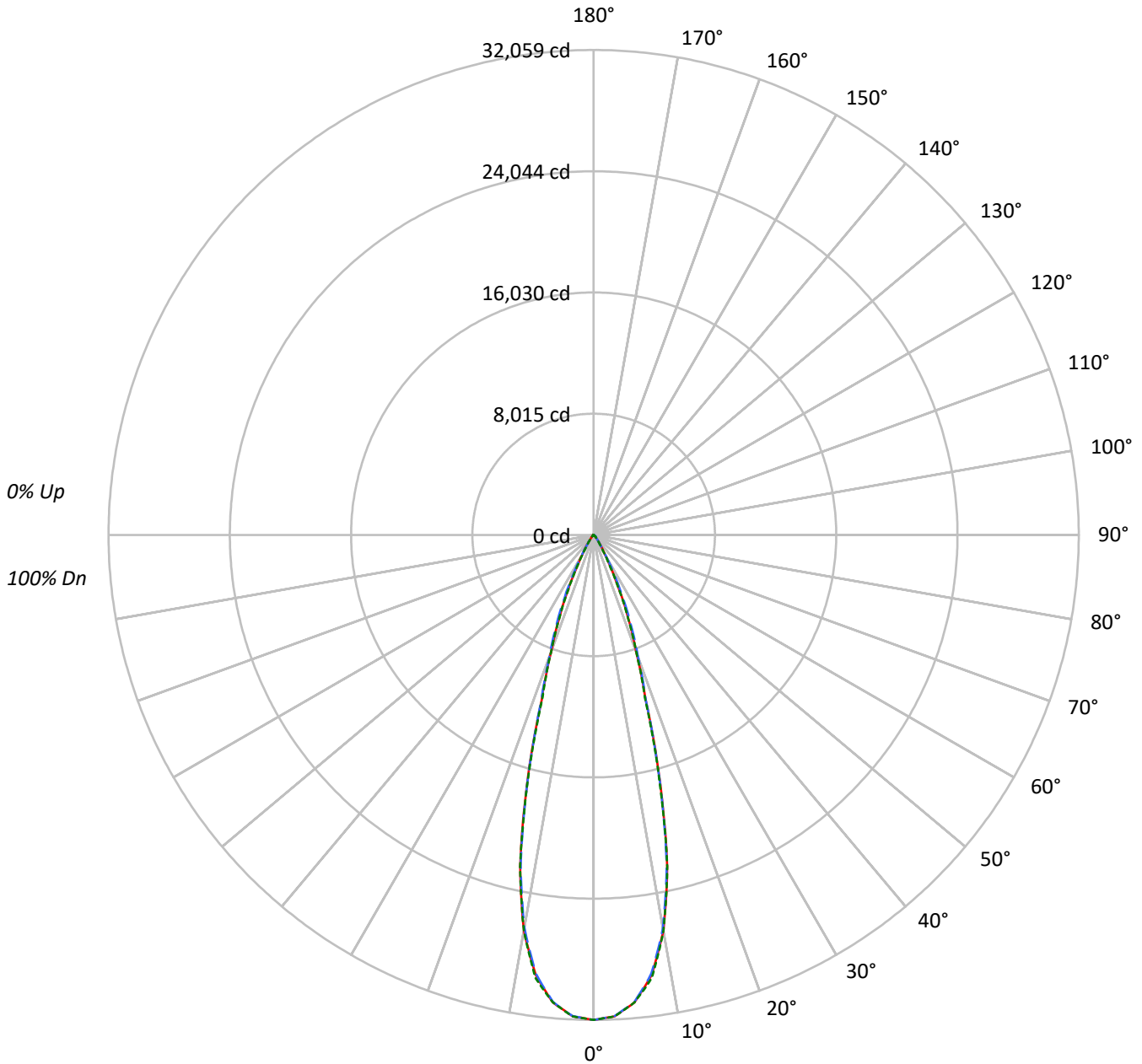
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	2453920	2453920	2453920
5°	2383477	2380695	2383592
10°	2064448	2049890	2063958
15°	1346950	1339715	1332980
20°	669778	694907	668874
25°	337386	380459	330477
30°	135087	147187	117693
35°	62653	60009	50300
40°	27048	30036	25480
45°	19084	23685	19257
50°	6561	17243	6930
55°	3777	7140	3990
60°	2648	3138	2648
65°	1703	1703	1703
70°	1052	694	1052
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 23685 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2819.1	28.3
10°-20°	4540.2	45.5
20°-30°	1962.0	19.7
30°-40°	447.2	4.5
40°-50°	153.5	1.5
50°-60°	37.5	0.4
60°-70°	9.7	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°	9321.3	93.5
0°-40°	9768.5	98.0
0°-60°	9959.5	99.9
0°-90°	9970.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9970.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32059	32059	32059	32059	32059	
5°	31020	30990	30984	31049	31022	2821
15°	16998	16793	16906	16851	16821	4551
25°	3995	4146	4505	4040	3913	1912
35°	670	685	642	638	538	455
45°	176	219	219	219	178	125
55°	28	30	54	32	30	28
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°	32059.2	32059.2	32059.2	32059.2	32059.2
2.5°	31846.7	31824.7	31837.3	31853.0	31859.3
5°	31020.4	30990.4	30984.2	31048.7	31021.9
7.5°	29353.5	29311.0	29246.5	29392.8	29529.8
10°	26561.2	26514.0	26373.9	26443.2	26554.9
12.5°	22438.9	22286.2	22283.1	22503.5	22473.5
15°	16997.6	16793.0	16906.3	16851.2	16821.3
17.5°	11430.4	11351.7	11502.8	11457.1	11260.4
20°	8222.6	8243.0	8531.1	8386.3	8211.5
22.5°	6000.1	6074.1	6415.6	6042.6	5905.6
25°	3994.8	4145.9	4504.8	4040.5	3913.0
27.5°	2457.0	2526.3	2889.9	2425.5	2356.3
30°	1528.4	1493.7	1665.3	1429.2	1331.6
32.5°	1002.6	958.6	1013.7	909.8	831.1
35°	670.5	684.7	642.2	637.5	538.3
37.5°	418.7	481.6	425.0	453.3	346.3
40°	270.7	349.4	300.6	332.1	255.0
42.5°	221.9	269.2	247.1	262.9	226.7
45°	176.3	218.8	218.8	218.8	177.9
47.5°	97.6	146.4	187.3	149.5	103.9
50°	55.1	74.0	144.8	77.1	58.2
52.5°	37.8	42.5	99.2	44.1	39.3
55°	28.3	29.9	53.5	31.5	29.9
57.5°	22.0	23.6	28.3	23.6	22.0
60°	17.3	17.3	20.5	18.9	17.3
62.5°	12.6	12.6	14.2	12.6	12.6
65°	9.4	9.4	9.4	9.4	9.4
67.5°	4.7	6.3	6.3	6.3	6.3
70°	4.7	3.1	3.1	3.1	4.7
72.5°	3.1	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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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