

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: P773427

Luminaire Tested: LD6D90BD010-EU6DR3070959030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773427
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: LD6D90BD010-EU6DR3070959030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 8961.9 lumens
Efficiency: N/A
Efficacy: 90.6 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

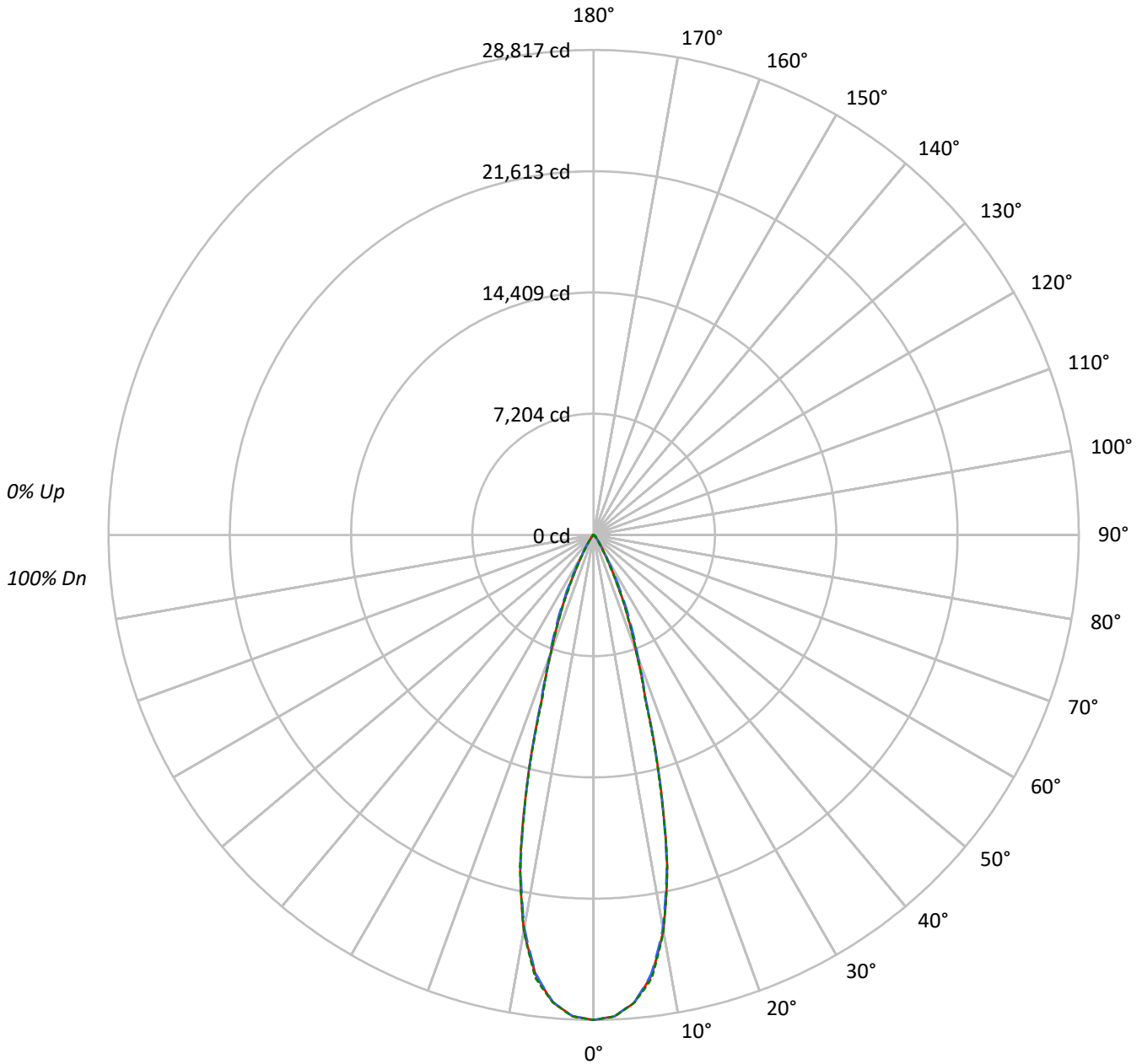
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2205736	2205736	2205736
5°	2142412	2139915	2142520
10°	1855658	1842569	1855215
15°	1210723	1204217	1198163
20°	602040	624627	601225
25°	303266	341980	297050
30°	121423	132303	105788
35°	56318	53935	45217
40°	24311	26998	22902
45°	17157	21293	17309
50°	5894	15504	6228
55°	3403	6419	3590
60°	2388	2817	2388
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: 21293 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2534.0	28.3
10°-20°	4081.0	45.5
20°-30°	1763.5	19.7
30°-40°	401.9	4.5
40°-50°	138.0	1.5
50°-60°	33.7	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°	8378.6	93.5
0°-40°	8780.5	98.0
0°-60°	8952.2	99.9
0°-90°	8961.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8961.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28817	28817	28817	28817	28817	
5°	27883	27856	27850	27908	27884	2536
15°	15278	15095	15196	15147	15120	4091
25°	3591	3727	4049	3632	3517	1719
35°	603	615	577	573	484	409
45°	158	197	197	197	160	112
55°	26	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°	28816.8	28816.8	28816.8	28816.8	28816.8
2.5°	28625.8	28606.0	28617.3	28631.4	28637.1
5°	27883.0	27856.1	27850.5	27908.5	27884.4
7.5°	26384.7	26346.5	26288.5	26420.1	26543.2
10°	23874.9	23832.4	23706.5	23768.8	23869.2
12.5°	20169.5	20032.3	20029.4	20227.5	20200.6
15°	15278.5	15094.6	15196.4	15146.9	15120.0
17.5°	10274.3	10203.6	10339.4	10298.4	10121.5
20°	7391.0	7409.3	7668.3	7538.1	7381.0
22.5°	5393.2	5459.7	5766.8	5431.4	5308.4
25°	3590.8	3726.6	4049.2	3631.8	3517.2
27.5°	2208.5	2270.8	2597.6	2180.2	2118.0
30°	1373.8	1342.7	1496.9	1284.6	1196.9
32.5°	901.2	861.6	911.1	817.8	747.0
35°	602.7	615.4	577.2	573.0	483.9
37.5°	376.3	432.9	382.0	407.5	311.3
40°	243.3	314.1	270.2	298.5	229.2
42.5°	199.5	241.9	222.1	236.3	203.7
45°	158.5	196.7	196.7	196.7	159.9
47.5°	87.7	131.6	168.4	134.4	93.4
50°	49.5	66.5	130.2	69.3	52.3
52.5°	34.0	38.2	89.1	39.6	35.4
55°	25.5	26.9	48.1	28.3	26.9
57.5°	19.8	21.2	25.5	21.2	19.8
60°	15.6	15.6	18.4	17.0	15.6
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	5.7	5.7	5.7	5.7
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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