

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: P773400

Luminaire Tested: LD6D90BD010-EU6DR3070959024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773400
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-EU6DR3070959024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6936.2 lumens
Efficiency: N/A
Efficacy: 70.1 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')

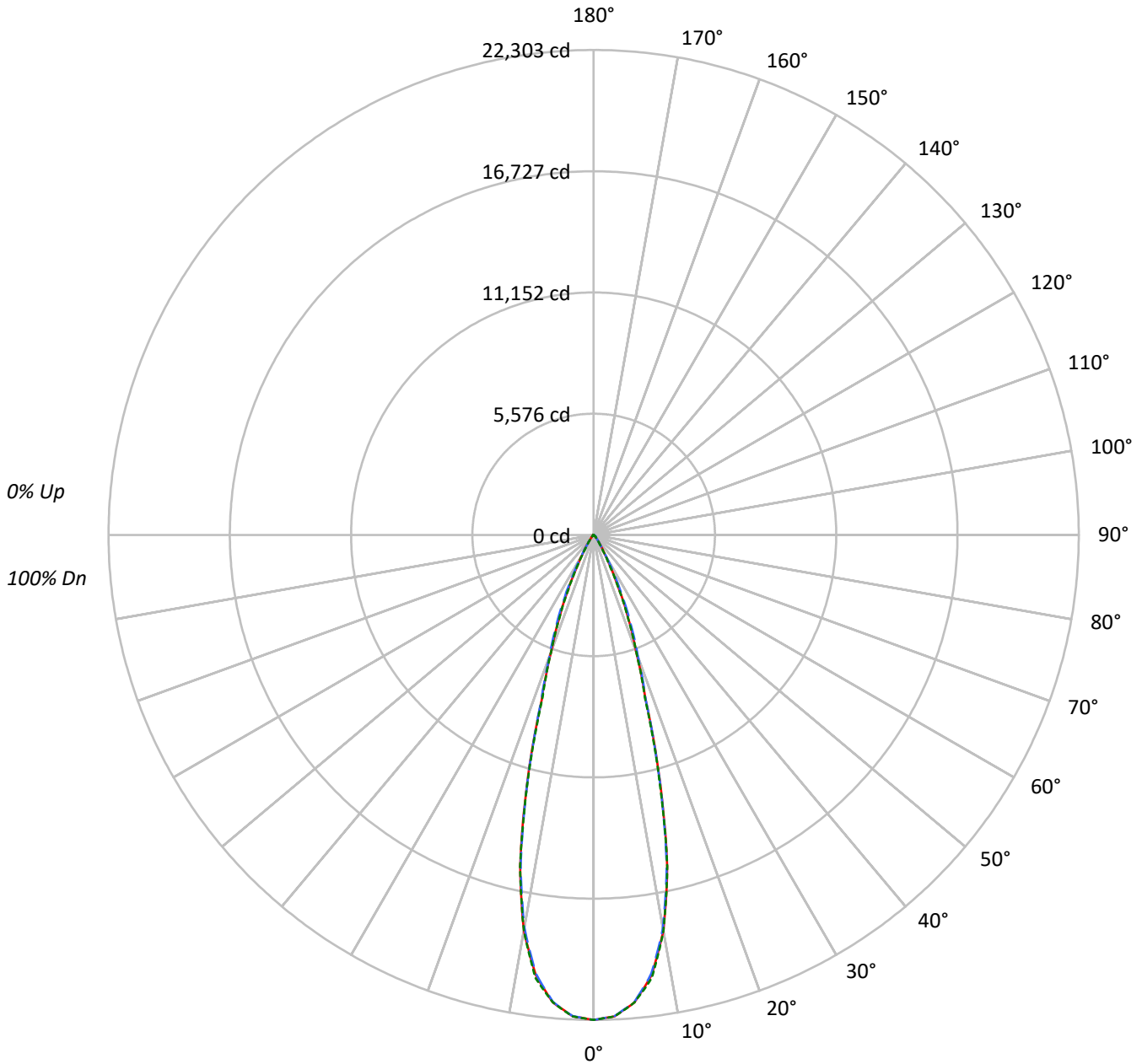
CIE Type: Direct

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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1707170	1707170	1707170
5°	1658162	1656226	1658247
10°	1436219	1426091	1435877
15°	937063	932031	927340
20°	465960	483440	465332
25°	234721	264678	229907
30°	93979	102394	81880
35°	43591	41750	34994
40°	18815	20893	17726
45°	13271	16475	13390
50°	4561	11991	4823
55°	2629	4964	2776
60°	1837	2174	1837
65°	1195	1195	1195
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16475 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1961.2	28.3
10°-20°	3158.6	45.5
20°-30°	1364.9	19.7
30°-40°	311.1	4.5
40°-50°	106.8	1.5
50°-60°	26.1	0.4
60°-70°	6.8	0.1
70°-80°	0.7	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°	6484.7	93.5
0°-40°	6795.8	98.0
0°-60°	6928.7	99.9
0°-90°	6936.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6936.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22303	22303	22303	22303	22303	
5°	21581	21560	21555	21600	21582	1963
15°	11825	11683	11762	11723	11702	3166
25°	2779	2884	3134	2811	2722	1330
35°	466	476	447	444	374	316
45°	123	152	152	152	124	87
55°	20	21	37	22	21	19
65°	7	7	7	7	7	6
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°	22303.3	22303.3	22303.3	22303.3	22303.3
2.5°	22155.5	22140.1	22148.9	22159.8	22164.2
5°	21580.6	21559.8	21555.4	21600.3	21581.7
7.5°	20421.0	20391.4	20346.5	20448.3	20543.6
10°	18478.4	18445.6	18348.1	18396.3	18474.0
12.5°	15610.6	15504.3	15502.1	15655.5	15634.6
15°	11825.1	11682.7	11761.6	11723.2	11702.4
17.5°	7952.0	7897.3	8002.4	7970.6	7833.7
20°	5720.4	5734.6	5935.0	5834.2	5712.7
22.5°	4174.2	4225.7	4463.3	4203.8	4108.5
25°	2779.2	2884.3	3133.9	2810.9	2722.2
27.5°	1709.3	1757.5	2010.5	1687.4	1639.2
30°	1063.3	1039.2	1158.5	994.3	926.4
32.5°	697.5	666.9	705.2	632.9	578.2
35°	466.5	476.3	446.8	443.5	374.5
37.5°	291.3	335.1	295.7	315.4	240.9
40°	188.3	243.1	209.1	231.0	177.4
42.5°	154.4	187.2	171.9	182.9	157.7
45°	122.6	152.2	152.2	152.2	123.7
47.5°	67.9	101.8	130.3	104.0	72.3
50°	38.3	51.5	100.7	53.7	40.5
52.5°	26.3	29.6	69.0	30.7	27.4
55°	19.7	20.8	37.2	21.9	20.8
57.5°	15.3	16.4	19.7	16.4	15.3
60°	12.0	12.0	14.2	13.1	12.0
62.5°	8.8	8.8	9.9	8.8	8.8
65°	6.6	6.6	6.6	6.6	6.6
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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