

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: P773465

Luminaire Tested: LD6D90BD010-EU6DR3070959050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773465
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-EU6DR3070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8623.5 lumens
Efficiency: N/A
Efficacy: 87.2 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')

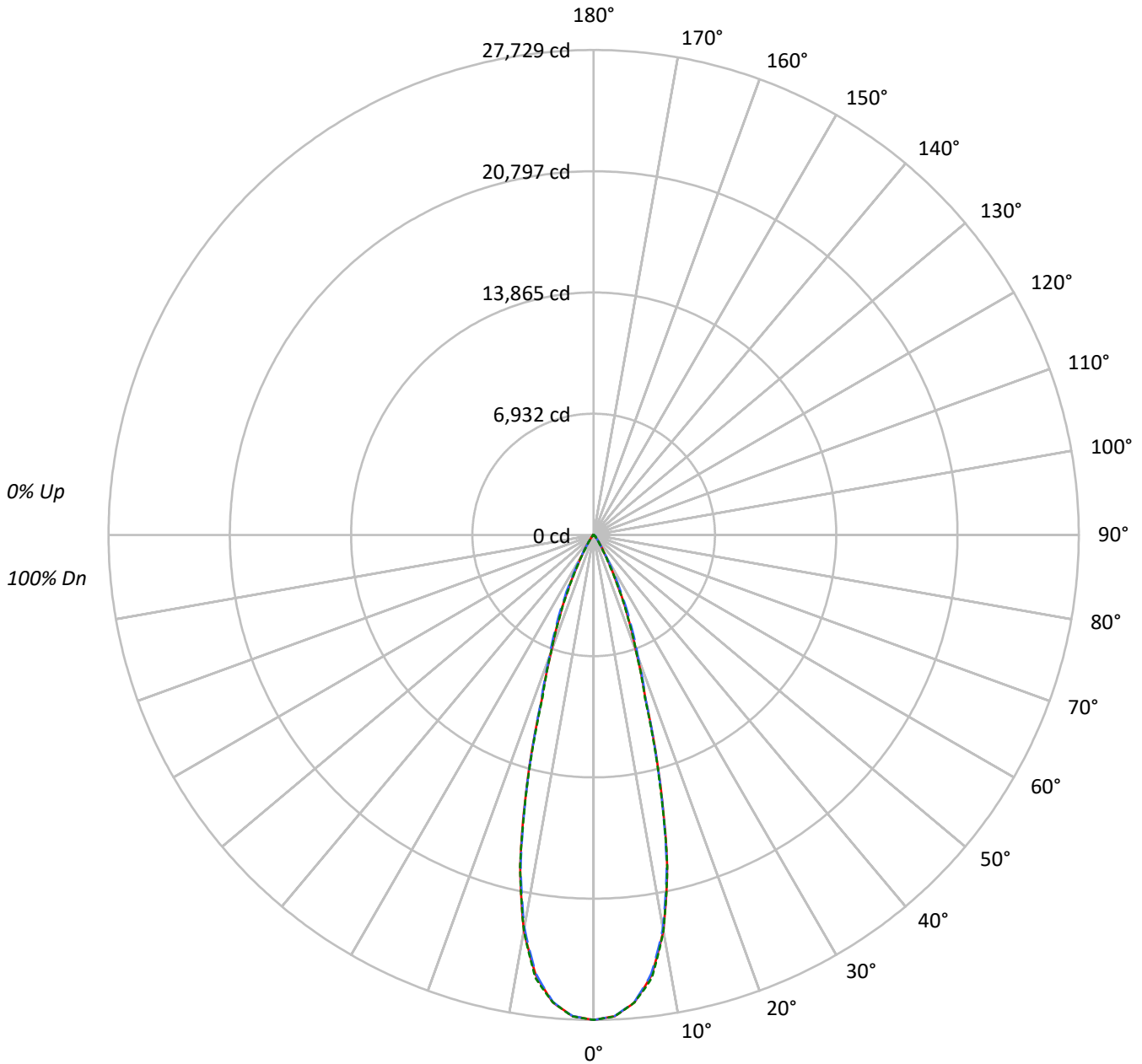
CIE Type: Direct

Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (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	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°	2122449	2122449	2122449
5°	2061519	2059114	2061627
10°	1785589	1772998	1785169
15°	1165007	1158755	1152922
20°	579305	601038	578532
25°	291813	329067	285834
30°	116836	127300	101793
35°	54196	51898	43507
40°	23401	25979	22032
45°	16508	20481	16649
50°	5668	14909	6002
55°	3270	6179	3456
60°	2296	2710	2296
65°	1485	1485	1485
70°	918	604	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20481 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2438.3	28.3
10°-20°	3926.9	45.5
20°-30°	1696.9	19.7
30°-40°	386.8	4.5
40°-50°	132.8	1.5
50°-60°	32.4	0.4
60°-70°	8.4	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°	8062.2	93.5
0°-40°	8449.0	98.0
0°-60°	8614.2	99.9
0°-90°	8623.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8623.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27729	27729	27729	27729	27729	
5°	26830	26804	26799	26855	26832	2440
15°	14702	14525	14623	14575	14549	3937
25°	3455	3586	3896	3495	3384	1654
35°	580	592	555	551	466	393
45°	152	189	189	189	154	108
55°	24	26	46	27	26	24
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°	27728.7	27728.7	27728.7	27728.7	27728.7
2.5°	27544.9	27525.9	27536.8	27550.4	27555.8
5°	26830.2	26804.4	26798.9	26854.7	26831.6
7.5°	25388.5	25351.8	25295.9	25422.5	25541.0
10°	22973.4	22932.6	22811.4	22871.3	22968.0
12.5°	19407.9	19275.9	19273.2	19463.8	19437.9
15°	14701.6	14524.6	14622.7	14575.0	14549.1
17.5°	9886.4	9818.3	9949.0	9909.5	9739.4
20°	7111.9	7129.6	7378.7	7253.5	7102.4
22.5°	5189.6	5253.6	5549.0	5226.4	5107.9
25°	3455.2	3585.9	3896.3	3494.7	3384.4
27.5°	2125.1	2185.0	2499.5	2097.9	2038.0
30°	1321.9	1292.0	1440.3	1236.1	1151.7
32.5°	867.2	829.1	876.7	786.9	718.8
35°	580.0	592.2	555.4	551.4	465.6
37.5°	362.1	416.6	367.6	392.1	299.5
40°	234.2	302.2	260.0	287.3	220.5
42.5°	192.0	232.8	213.7	227.4	196.0
45°	152.5	189.2	189.2	189.2	153.8
47.5°	84.4	126.6	162.0	129.3	89.9
50°	47.6	64.0	125.2	66.7	50.4
52.5°	32.7	36.8	85.8	38.1	34.0
55°	24.5	25.9	46.3	27.2	25.9
57.5°	19.1	20.4	24.5	20.4	19.1
60°	15.0	15.0	17.7	16.3	15.0
62.5°	10.9	10.9	12.3	10.9	10.9
65°	8.2	8.2	8.2	8.2	8.2
67.5°	4.1	5.4	5.4	5.4	5.4
70°	4.1	2.7	2.7	2.7	4.1
72.5°	2.7	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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