

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: P773426

Luminaire Tested: LD6D90BD010-EU6DR3070959030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773426
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-EU6DR3070959030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8094.6 lumens
Efficiency: N/A
Efficacy: 81.8 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')

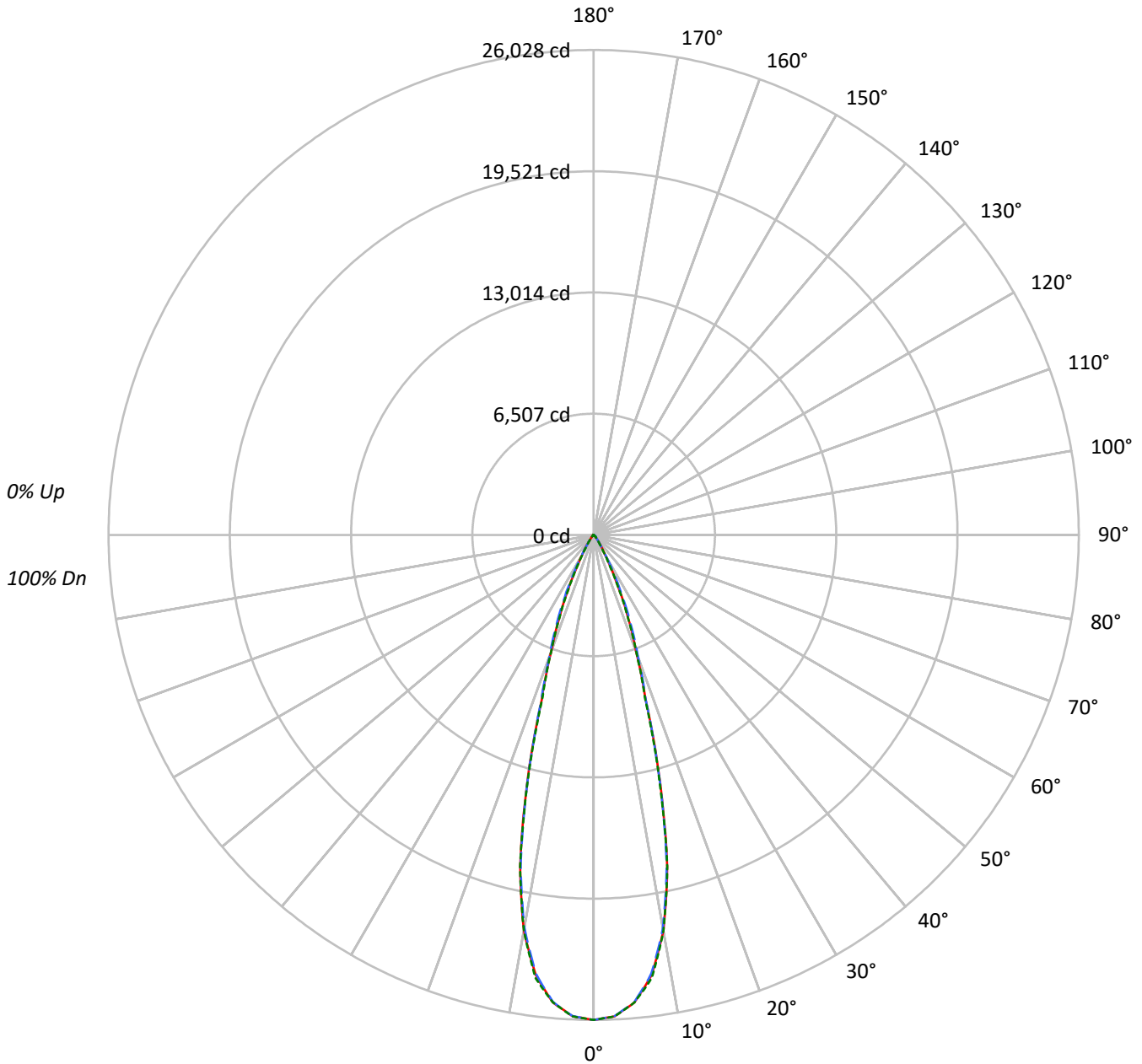
CIE Type: Direct

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	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°	1992287	1992287	1992287
5°	1935094	1932835	1935194
10°	1676084	1664269	1675687
15°	1093561	1087689	1082221
20°	543774	564179	543049
25°	273917	308882	268309
30°	109668	119496	95553
35°	50870	48721	40834
40°	21962	24391	20684
45°	15490	19225	15631
50°	5323	14004	5633
55°	3069	5792	3243
60°	2159	2541	2159
65°	1395	1395	1395
70°	850	582	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19225 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2288.8	28.3
10°-20°	3686.1	45.5
20°-30°	1592.9	19.7
30°-40°	363.0	4.5
40°-50°	124.6	1.5
50°-60°	30.5	0.4
60°-70°	7.9	0.1
70°-80°	0.8	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°	7567.8	93.5
0°-40°	7930.8	98.0
0°-60°	8085.9	99.9
0°-90°	8094.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8094.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26028	26028	26028	26028	26028	
5°	25185	25160	25155	25208	25186	2291
15°	13800	13634	13726	13681	13657	3695
25°	3243	3366	3657	3280	3177	1552
35°	544	556	521	518	437	369
45°	143	178	178	178	144	102
55°	23	24	43	26	24	22
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°	26028.2	26028.2	26028.2	26028.2	26028.2
2.5°	25855.7	25837.8	25848.0	25860.8	25865.9
5°	25184.8	25160.5	25155.4	25207.8	25186.1
7.5°	23831.5	23797.0	23744.6	23863.5	23974.6
10°	21564.5	21526.2	21412.5	21468.7	21559.4
12.5°	18217.7	18093.8	18091.2	18270.1	18245.8
15°	13800.0	13633.9	13725.9	13681.2	13656.9
17.5°	9280.1	9216.2	9338.9	9301.8	9142.1
20°	6675.7	6692.4	6926.2	6808.6	6666.8
22.5°	4871.3	4931.4	5208.7	4905.9	4794.7
25°	3243.3	3366.0	3657.3	3280.4	3176.9
27.5°	1994.8	2051.0	2346.2	1969.2	1913.0
30°	1240.8	1212.7	1352.0	1160.3	1081.1
32.5°	814.0	778.2	823.0	738.6	674.7
35°	544.4	555.9	521.4	517.5	437.0
37.5°	339.9	391.0	345.0	368.0	281.1
40°	219.8	283.7	244.1	269.6	207.0
42.5°	180.2	218.5	200.6	213.4	184.0
45°	143.1	177.6	177.6	177.6	144.4
47.5°	79.2	118.8	152.1	121.4	84.3
50°	44.7	60.1	117.6	62.6	47.3
52.5°	30.7	34.5	80.5	35.8	31.9
55°	23.0	24.3	43.4	25.6	24.3
57.5°	17.9	19.2	23.0	19.2	17.9
60°	14.1	14.1	16.6	15.3	14.1
62.5°	10.2	10.2	11.5	10.2	10.2
65°	7.7	7.7	7.7	7.7	7.7
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.6	2.6	2.6	3.8
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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