

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: P774206

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774206
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-EU6DR3070959030-6LBSQW1B
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

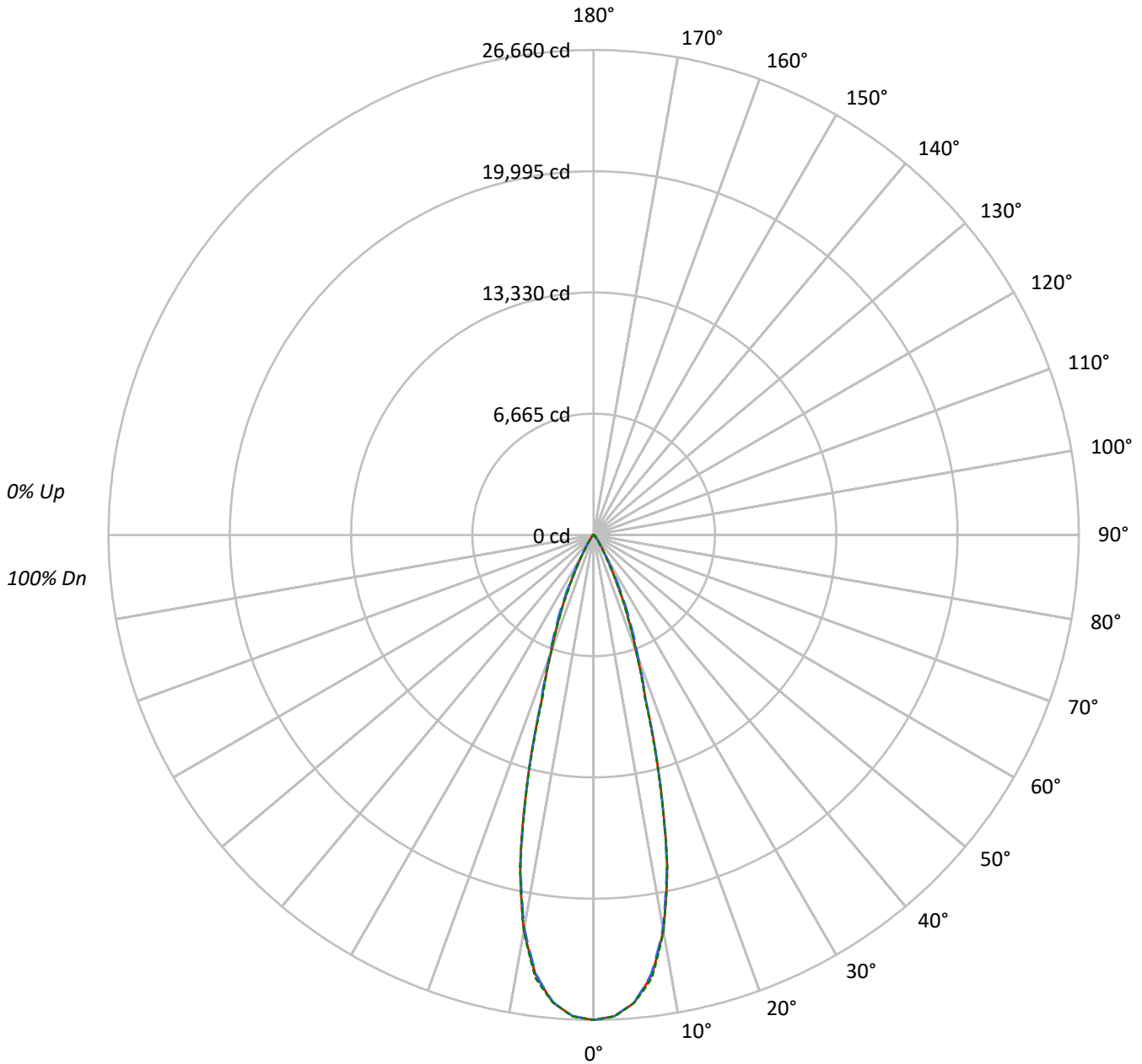
Lumens per Lamp: N/A
Luminaire Lumens: 8291.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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°	2040616	2040616	2040616
5°	1982040	1979728	1982140
10°	1716749	1704639	1716337
15°	1120092	1114077	1108475
20°	556970	577864	556221
25°	280564	316382	274812
30°	112328	122395	97868
35°	52103	49898	41825
40°	22492	24980	21183
45°	15869	19690	16010
50°	5454	14337	5763
55°	3149	5938	3323
60°	2204	2602	2204
65°	1431	1431	1431
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19690 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2344.3	28.3
10°-20°	3775.5	45.5
20°-30°	1631.5	19.7
30°-40°	371.9	4.5
40°-50°	127.7	1.5
50°-60°	31.2	0.4
60°-70°	8.1	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°	7751.4	93.5
0°-40°	8123.2	98.0
0°-60°	8282.1	99.9
0°-90°	8291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8291.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26660	26660	26660	26660	26660	
5°	25796	25771	25766	25819	25797	2346
15°	14135	13965	14059	14013	13988	3785
25°	3322	3448	3746	3360	3254	1590
35°	558	569	534	530	448	378
45°	147	182	182	182	148	104
55°	24	25	44	26	25	23
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°	26659.6	26659.6	26659.6	26659.6	26659.6
2.5°	26482.9	26464.6	26475.1	26488.2	26493.4
5°	25795.8	25770.9	25765.7	25819.3	25797.1
7.5°	24409.6	24374.3	24320.6	24442.4	24556.2
10°	22087.7	22048.4	21931.9	21989.5	22082.4
12.5°	18659.7	18532.7	18530.1	18713.3	18688.5
15°	14134.8	13964.6	14058.9	14013.1	13988.2
17.5°	9505.2	9439.8	9565.4	9527.5	9363.9
20°	6837.7	6854.7	7094.2	6973.8	6828.5
22.5°	4989.5	5051.0	5335.1	5024.9	4911.0
25°	3322.0	3447.6	3746.1	3359.9	3253.9
27.5°	2043.2	2100.8	2403.1	2017.0	1959.4
30°	1270.9	1242.1	1384.8	1188.5	1107.3
32.5°	833.8	797.1	842.9	756.5	691.1
35°	557.6	569.4	534.0	530.1	447.6
37.5°	348.2	400.5	353.4	377.0	288.0
40°	225.1	290.6	250.0	276.2	212.0
42.5°	184.6	223.8	205.5	218.6	188.5
45°	146.6	181.9	181.9	181.9	147.9
47.5°	81.2	121.7	155.8	124.3	86.4
50°	45.8	61.5	120.4	64.1	48.4
52.5°	31.4	35.3	82.5	36.6	32.7
55°	23.6	24.9	44.5	26.2	24.9
57.5°	18.3	19.6	23.6	19.6	18.3
60°	14.4	14.4	17.0	15.7	14.4
62.5°	10.5	10.5	11.8	10.5	10.5
65°	7.9	7.9	7.9	7.9	7.9
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
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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