

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: P774208

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774208
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-EU6DR3070959035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10075.3 lumens
Efficiency: N/A
Efficacy: 101.6 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

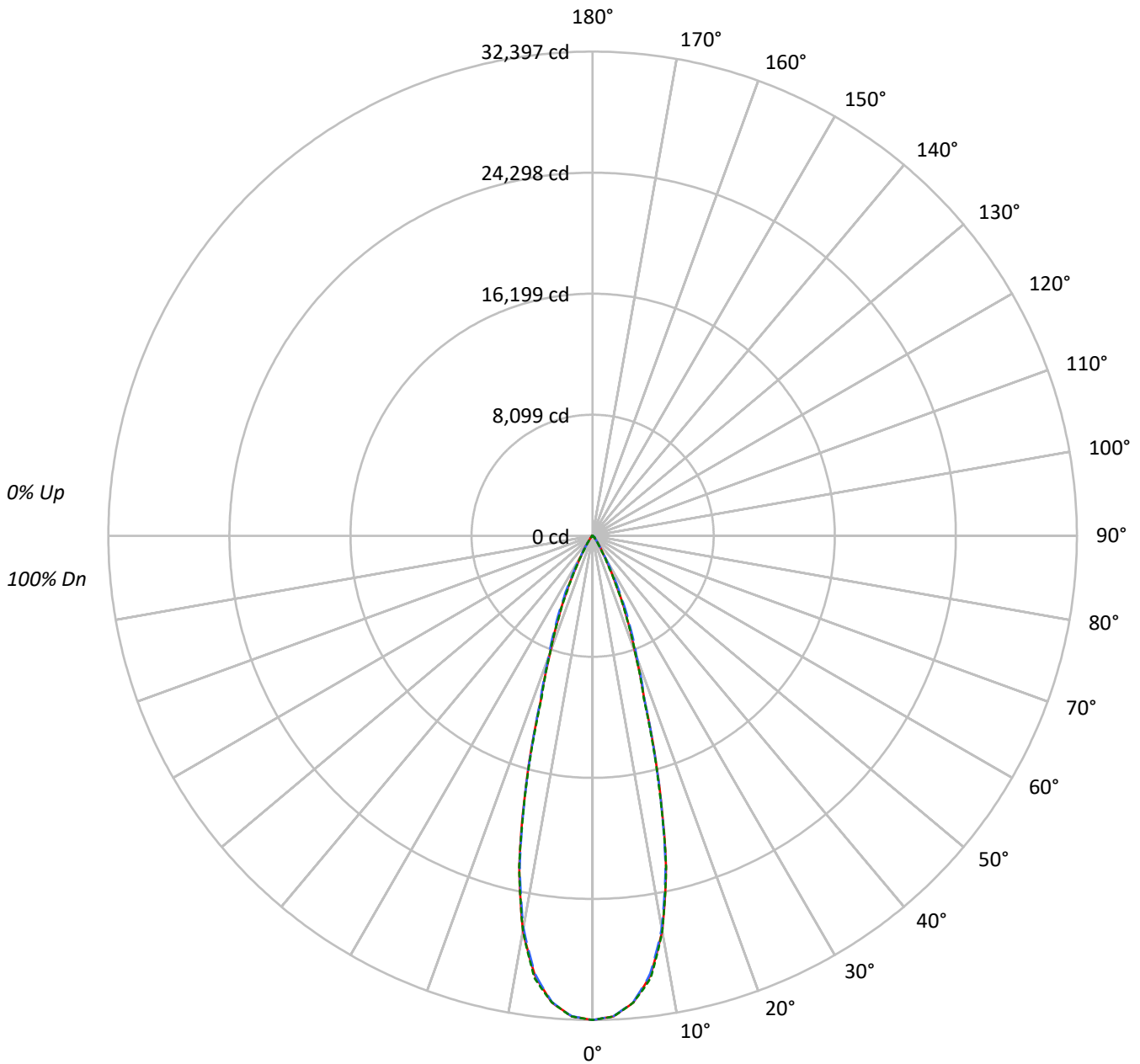
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P774208

CATALOG NUMBER: LD6D95BD010-EU6DR3070959035-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P774208

CATALOG NUMBER: LD6D95BD010-EU6DR3070959035-6LBCSSQMB

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°	2479769	2479769	2479769
5°	2408579	2405767	2408702
10°	2086195	2071482	2085698
15°	1361135	1353829	1347022
20°	676832	702222	675920
25°	340942	384462	333957
30°	136510	148734	118930
35°	63316	60644	50833
40°	27338	30356	25749
45°	19279	23934	19452
50°	6633	17421	7014
55°	3817	7220	4030
60°	2679	3169	2679
65°	1721	1721	1721
70°	1074	716	1074
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 23934 cd/sqm



TEST NUMBER: P774208

CATALOG NUMBER: LD6D95BD010-EU6DR3070959035-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2848.8	28.3
10°-20°	4588.0	45.5
20°-30°	1982.6	19.7
30°-40°	451.9	4.5
40°-50°	155.2	1.5
50°-60°	37.9	0.4
60°-70°	9.8	0.1
70°-80°	1.0	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°	9419.5	93.5
0°-40°	9871.4	98.0
0°-60°	10064.4	99.9
0°-90°	10075.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10075.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32397	32397	32397	32397	32397	
5°	31347	31317	31310	31376	31349	2851
15°	17177	16970	17084	17029	16998	4599
25°	4037	4190	4552	4083	3954	1932
35°	678	692	649	644	544	460
45°	178	221	221	221	180	126
55°	29	30	54	32	30	28
65°	10	10	10	10	10	9
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P774208

CATALOG NUMBER: LD6D95BD010-EU6DR3070959035-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	32396.9	32396.9	32396.9	32396.9	32396.9
2.5°	32182.2	32159.9	32172.6	32188.5	32194.9
5°	31347.1	31316.9	31310.5	31375.7	31348.7
7.5°	29662.7	29619.7	29554.5	29702.4	29840.8
10°	26841.0	26793.3	26651.7	26721.7	26834.6
12.5°	22675.3	22521.0	22517.8	22740.5	22710.3
15°	17176.6	16969.9	17084.4	17028.7	16998.5
17.5°	11550.8	11471.2	11623.9	11577.8	11379.0
20°	8309.2	8329.9	8620.9	8474.6	8298.0
22.5°	6063.3	6138.0	6483.2	6106.2	5967.8
25°	4036.9	4189.6	4552.2	4083.0	3954.2
27.5°	2482.9	2552.9	2920.3	2451.1	2381.1
30°	1544.5	1509.5	1682.8	1444.2	1345.6
32.5°	1013.2	968.7	1024.3	919.4	839.8
35°	677.6	691.9	649.0	644.2	544.0
37.5°	423.1	486.7	429.5	458.1	349.9
40°	273.6	353.1	303.8	335.6	257.7
42.5°	224.3	272.0	249.7	265.6	229.0
45°	178.1	221.1	221.1	221.1	179.7
47.5°	98.6	147.9	189.3	151.1	105.0
50°	55.7	74.8	146.3	77.9	58.9
52.5°	38.2	42.9	100.2	44.5	39.8
55°	28.6	30.2	54.1	31.8	30.2
57.5°	22.3	23.9	28.6	23.9	22.3
60°	17.5	17.5	20.7	19.1	17.5
62.5°	12.7	12.7	14.3	12.7	12.7
65°	9.5	9.5	9.5	9.5	9.5
67.5°	4.8	6.4	6.4	6.4	6.4
70°	4.8	3.2	3.2	3.2	4.8
72.5°	3.2	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)