

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: P774180

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774180
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-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: 7104.5 lumens
Efficiency: N/A
Efficacy: 71.6 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')

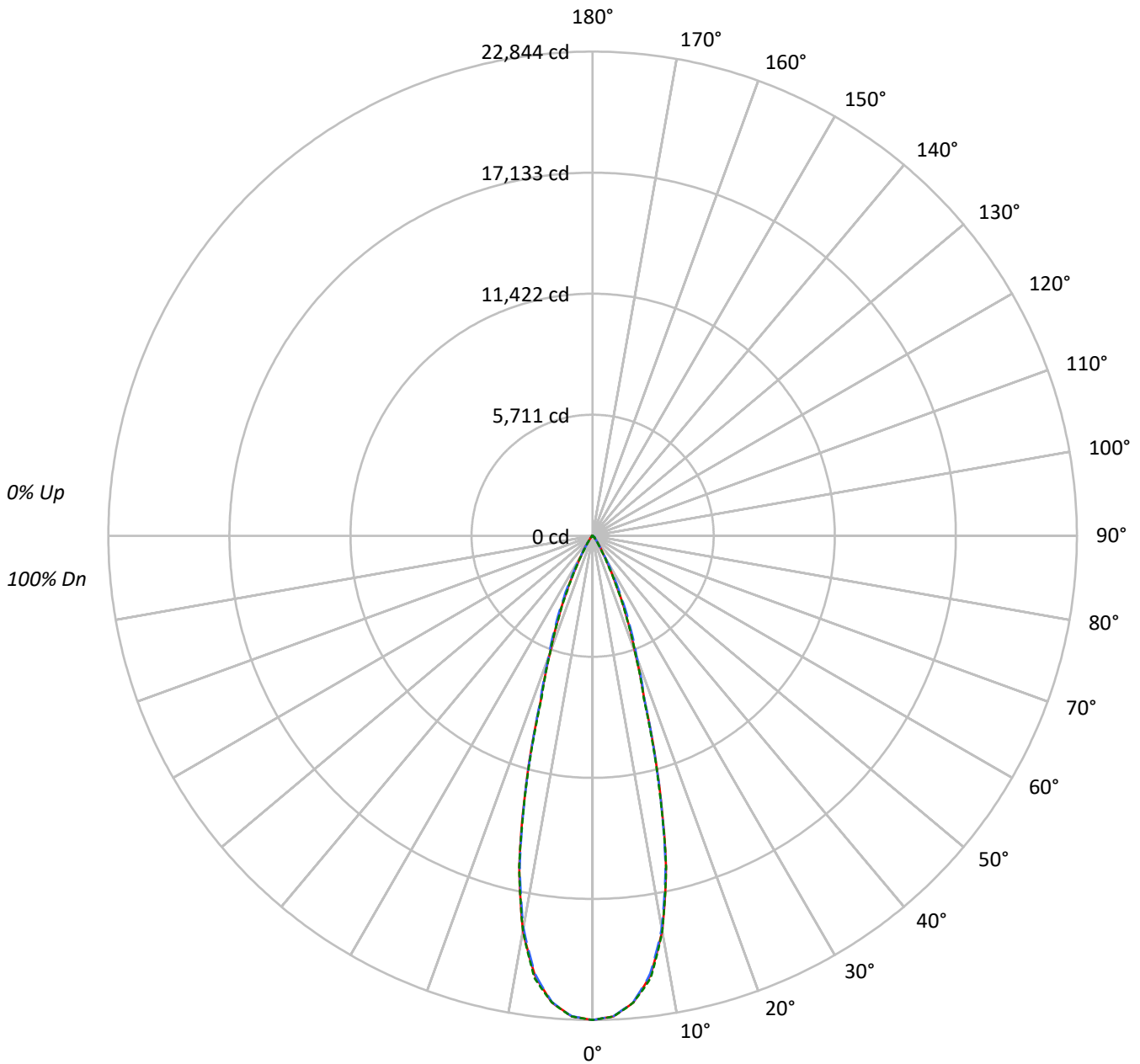
CIE Type: Direct

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: P774180
CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P774180

CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBSQW1B

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°	1748588	1748588	1748588
5°	1698386	1696403	1698470
10°	1471063	1460686	1470713
15°	959790	954639	949837
20°	477258	495170	476622
25°	240413	271105	235481
30°	96260	104877	83868
35°	44647	42759	35844
40°	19275	21403	18156
45°	13596	16876	13715
50°	4680	12289	4942
55°	2696	5084	2842
60°	1883	2235	1883
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16876 cd/sqm



TEST NUMBER: P774180

CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2008.8	28.3
10°-20°	3235.2	45.5
20°-30°	1398.0	19.7
30°-40°	318.6	4.5
40°-50°	109.4	1.5
50°-60°	26.7	0.4
60°-70°	6.9	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°	6642.1	93.5
0°-40°	6960.7	98.0
0°-60°	7096.8	99.9
0°-90°	7104.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7104.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22844	22844	22844	22844	22844	
5°	22104	22083	22078	22124	22105	2010
15°	12112	11966	12047	12008	11986	3243
25°	2847	2954	3210	2879	2788	1363
35°	478	488	458	454	384	324
45°	126	156	156	156	127	89
55°	20	21	38	22	21	20
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P774180

CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22844.4	22844.4	22844.4	22844.4	22844.4
2.5°	22692.9	22677.2	22686.2	22697.4	22701.9
5°	22104.1	22082.8	22078.3	22124.3	22105.2
7.5°	20916.4	20886.1	20840.1	20944.4	21042.0
10°	18926.7	18893.0	18793.2	18842.6	18922.2
12.5°	15989.3	15880.5	15878.2	16035.2	16013.9
15°	12111.9	11966.1	12046.9	12007.6	11986.3
17.5°	8144.9	8088.8	8196.5	8164.0	8023.8
20°	5859.1	5873.7	6079.0	5975.8	5851.3
22.5°	4275.5	4328.2	4571.6	4305.7	4208.2
25°	2846.6	2954.2	3210.0	2879.1	2788.2
27.5°	1750.8	1800.1	2059.2	1728.4	1679.0
30°	1089.1	1064.4	1186.6	1018.4	948.9
32.5°	714.4	683.0	722.3	648.3	592.2
35°	477.8	487.9	457.6	454.2	383.6
37.5°	298.3	343.2	302.8	323.0	246.7
40°	192.9	249.0	214.2	236.7	181.7
42.5°	158.1	191.8	176.1	187.3	161.5
45°	125.6	155.9	155.9	155.9	126.7
47.5°	69.5	104.3	133.5	106.6	74.0
50°	39.3	52.7	103.2	55.0	41.5
52.5°	26.9	30.3	70.7	31.4	28.0
55°	20.2	21.3	38.1	22.4	21.3
57.5°	15.7	16.8	20.2	16.8	15.7
60°	12.3	12.3	14.6	13.5	12.3
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
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



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)