

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: P771080

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771080
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: LD6D75BD010-EU6DR3070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8747.6 lumens
Efficiency: N/A
Efficacy: 120.8 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): 72.4
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

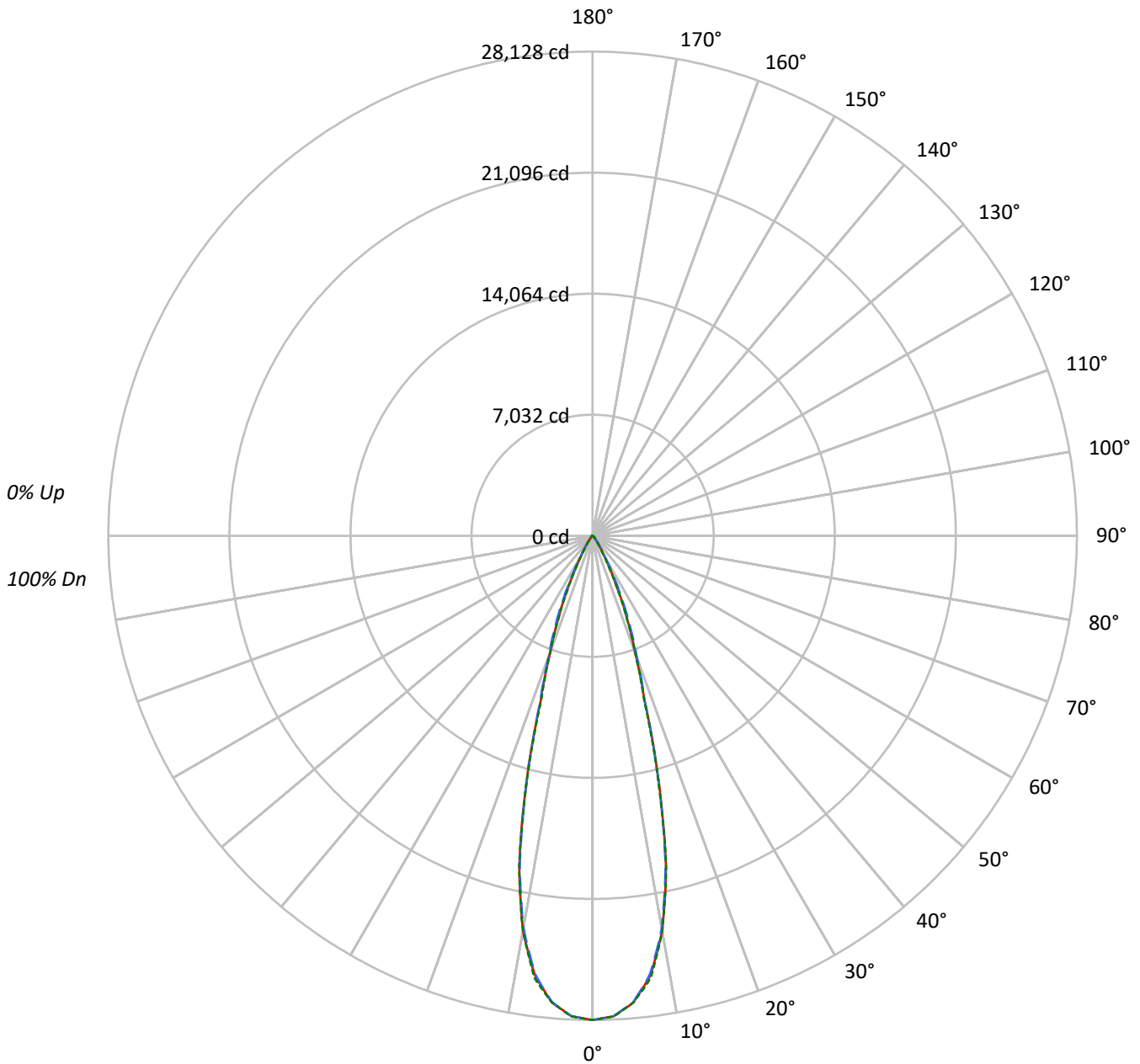


Downlight

TEST NUMBER: P771080

CATALOG NUMBER: LD6D75BD010-EU6DR3070959030-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P771080

CATALOG NUMBER: LD6D75BD010-EU6DR3070959030-6LBDP1LI

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																			
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°	2152990	2152990	2152990
5°	2091186	2088742	2091286
10°	1811285	1798507	1810850
15°	1181775	1175428	1169516
20°	587638	609688	586848
25°	296011	333805	289947
30°	118515	129139	103260
35°	54972	52645	44133
40°	23731	26359	22352
45°	16746	20784	16898
50°	5752	15123	6085
55°	3323	6272	3496
60°	2327	2756	2327
65°	1503	1503	1503
70°	918	627	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: 20784 cd/sqm



TEST NUMBER: P771080

CATALOG NUMBER: LD6D75BD010-EU6DR3070959030-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2473.4	28.3
10°-20°	3983.4	45.5
20°-30°	1721.4	19.7
30°-40°	392.3	4.5
40°-50°	134.7	1.5
50°-60°	32.9	0.4
60°-70°	8.5	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°	8178.2	93.5
0°-40°	8570.5	98.0
0°-60°	8738.2	99.9
0°-90°	8747.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8747.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28128	28128	28128	28128	28128	
5°	27216	27190	27184	27241	27218	2475
15°	14913	14734	14833	14785	14758	3993
25°	3505	3638	3952	3545	3433	1678
35°	588	601	563	559	472	399
45°	155	192	192	192	156	110
55°	25	26	47	28	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



TEST NUMBER: P771080

CATALOG NUMBER: LD6D75BD010-EU6DR3070959030-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28127.7	28127.7	28127.7	28127.7	28127.7
2.5°	27941.3	27921.9	27933.0	27946.8	27952.3
5°	27216.3	27190.0	27184.5	27241.1	27217.6
7.5°	25753.8	25716.5	25659.9	25788.3	25908.5
10°	23304.0	23262.5	23139.6	23200.4	23298.4
12.5°	19687.2	19553.2	19550.5	19743.8	19717.6
15°	14913.2	14733.6	14833.1	14784.7	14758.5
17.5°	10028.6	9959.6	10092.2	10052.1	9879.5
20°	7214.2	7232.2	7484.9	7357.8	7204.5
22.5°	5264.3	5329.2	5628.9	5301.6	5181.4
25°	3504.9	3637.5	3952.4	3545.0	3433.1
27.5°	2155.7	2216.5	2535.5	2128.1	2067.3
30°	1340.9	1310.5	1461.1	1253.9	1168.3
32.5°	879.7	841.0	889.3	798.2	729.2
35°	588.3	600.7	563.4	559.3	472.3
37.5°	367.3	422.6	372.9	397.7	303.8
40°	237.5	306.6	263.8	291.4	223.7
42.5°	194.7	236.1	216.8	230.6	198.9
45°	154.7	192.0	192.0	192.0	156.1
47.5°	85.6	128.4	164.3	131.2	91.1
50°	48.3	64.9	127.0	67.7	51.1
52.5°	33.1	37.3	87.0	38.7	34.5
55°	24.9	26.2	47.0	27.6	26.2
57.5°	19.3	20.7	24.9	20.7	19.3
60°	15.2	15.2	18.0	16.6	15.2
62.5°	11.0	11.0	12.4	11.0	11.0
65°	8.3	8.3	8.3	8.3	8.3
67.5°	4.1	5.5	5.5	5.5	5.5
70°	4.1	2.8	2.8	2.8	4.1
72.5°	2.8	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



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)