

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: P771119

Luminaire Tested: LD6D75BD010-EU6DR3070959050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771119
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-EU6DR3070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9319.1 lumens
Efficiency: N/A
Efficacy: 128.7 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

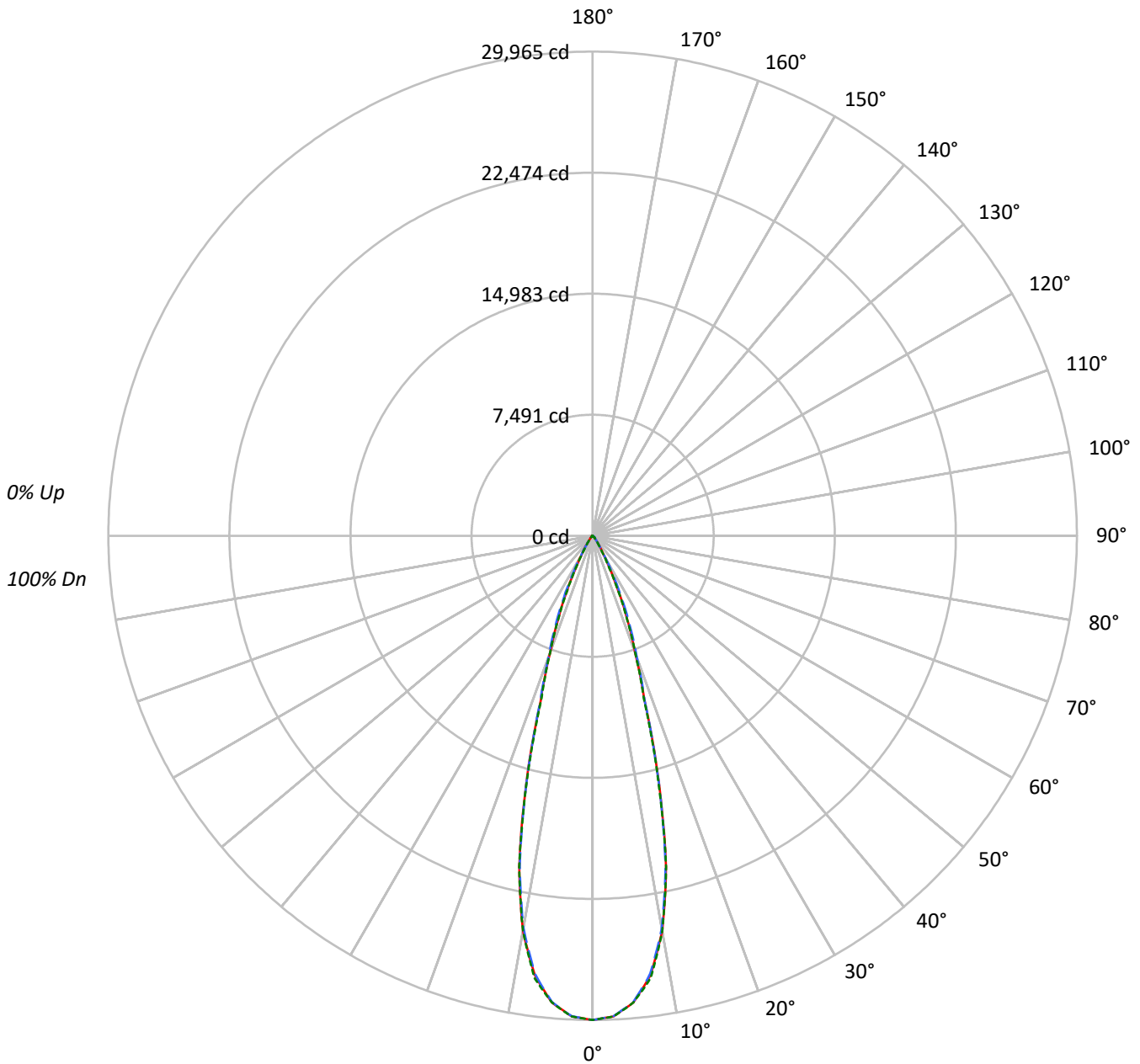


Downlight

TEST NUMBER: P771119

CATALOG NUMBER: LD6D75BD010-EU6DR3070959050-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P771119

CATALOG NUMBER: LD6D75BD010-EU6DR3070959050-6LBDP1LI

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	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°	2293653	2293653	2293653
5°	2227807	2225210	2227923
10°	1929620	1916010	1929161
15°	1258982	1252215	1245923
20°	626028	649520	625189
25°	315351	355612	308890
30°	126258	137571	110004
35°	58560	56084	47020
40°	25280	28078	23811
45°	17839	22137	17991
50°	6133	16123	6478
55°	3536	6672	3737
60°	2480	2924	2480
65°	1594	1594	1594
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22137 cd/sqm



TEST NUMBER: P771119

CATALOG NUMBER: LD6D75BD010-EU6DR3070959050-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2635.0	28.3
10°-20°	4243.7	45.5
20°-30°	1833.8	19.7
30°-40°	418.0	4.5
40°-50°	143.5	1.5
50°-60°	35.1	0.4
60°-70°	9.1	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°	8712.5	93.5
0°-40°	9130.5	98.0
0°-60°	9309.0	99.9
0°-90°	9319.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9319.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29965	29965	29965	29965	29965	
5°	28994	28966	28961	29021	28996	2637
15°	15888	15696	15802	15751	15723	4254
25°	3734	3875	4211	3777	3657	1787
35°	627	640	600	596	503	425
45°	165	204	204	204	166	117
55°	26	28	50	29	28	26
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P771119

CATALOG NUMBER: LD6D75BD010-EU6DR3070959050-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29965.4	29965.4	29965.4	29965.4	29965.4
2.5°	29766.8	29746.2	29757.9	29772.7	29778.5
5°	28994.4	28966.4	28960.6	29020.9	28995.9
7.5°	27436.4	27396.7	27336.3	27473.2	27601.2
10°	24826.5	24782.3	24651.4	24716.1	24820.6
12.5°	20973.4	20830.7	20827.8	21033.7	21005.8
15°	15887.5	15696.2	15802.1	15750.7	15722.7
17.5°	10683.8	10610.3	10751.5	10708.9	10525.0
20°	7685.5	7704.7	7973.9	7838.5	7675.2
22.5°	5608.2	5677.4	5996.6	5647.9	5519.9
25°	3733.9	3875.1	4210.6	3776.6	3657.4
27.5°	2296.5	2361.3	2701.1	2267.1	2202.4
30°	1428.5	1396.2	1556.5	1335.8	1244.6
32.5°	937.2	896.0	947.5	850.4	776.8
35°	626.7	640.0	600.2	595.8	503.2
37.5°	391.3	450.2	397.2	423.7	323.7
40°	253.0	326.6	281.0	310.4	238.3
42.5°	207.4	251.6	231.0	245.7	211.9
45°	164.8	204.5	204.5	204.5	166.2
47.5°	91.2	136.8	175.1	139.8	97.1
50°	51.5	69.1	135.4	72.1	54.4
52.5°	35.3	39.7	92.7	41.2	36.8
55°	26.5	28.0	50.0	29.4	28.0
57.5°	20.6	22.1	26.5	22.1	20.6
60°	16.2	16.2	19.1	17.7	16.2
62.5°	11.8	11.8	13.2	11.8	11.8
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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)