

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: P771067

Luminaire Tested: LD6D75BD010-EU6DR3070959027-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771067  
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-EU6DR3070959027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8491.0 lumens  
Efficiency: N/A  
Efficacy: 117.3 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<sub>in</sub>): 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

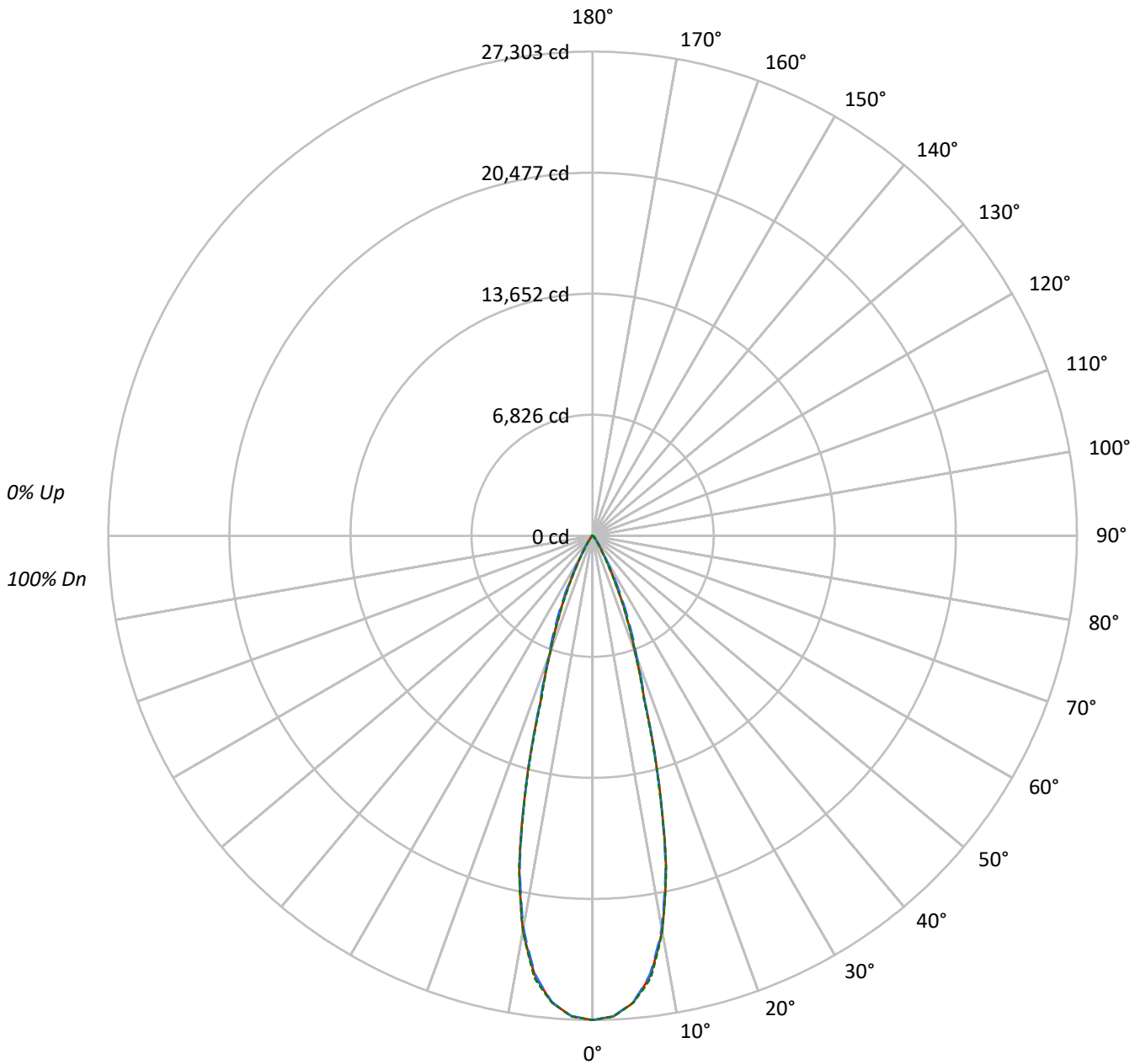


Downlight

TEST NUMBER: P771067

CATALOG NUMBER: LD6D75BD010-EU6DR3070959027-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P771067

CATALOG NUMBER: LD6D75BD010-EU6DR3070959027-6LBDP1LI

**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°	2089834	2089834	2089834
5°	2029840	2027473	2029948
10°	1758153	1745756	1757733
15°	1147106	1140949	1135211
20°	570402	591801	569637
25°	287329	324008	281442
30°	115042	125347	100228
35°	53356	51104	42834
40°	23042	25580	21703
45°	16248	20167	16400
50°	5585	14683	5906
55°	3216	6085	3403
60°	2250	2664	2250
65°	1449	1449	1449
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 20167 cd/sqm



TEST NUMBER: P771067

CATALOG NUMBER: LD6D75BD010-EU6DR3070959027-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2400.9	28.3
10°-20°	3866.6	45.5
20°-30°	1670.9	19.7
30°-40°	380.8	4.5
40°-50°	130.8	1.5
50°-60°	31.9	0.4
60°-70°	8.3	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°	7938.3	93.5
0°-40°	8319.1	98.0
0°-60°	8481.8	99.9
0°-90°	8491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	27303	27303	27303	27303	27303	
5°	26418	26392	26387	26442	26419	2403
15°	14476	14301	14398	14351	14326	3876
25°	3402	3531	3836	3441	3332	1628
35°	571	583	547	543	458	387
45°	150	186	186	186	152	107
55°	24	26	46	27	26	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



TEST NUMBER: P771067

CATALOG NUMBER: LD6D75BD010-EU6DR3070959027-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	27302.6	27302.6	27302.6	27302.6	27302.6
2.5°	27121.7	27102.9	27113.6	27127.0	27132.4
5°	26417.9	26392.4	26387.1	26442.0	26419.3
7.5°	24998.4	24962.2	24907.2	25031.9	25148.5
10°	22620.4	22580.2	22460.9	22519.8	22615.0
12.5°	19109.7	18979.7	18977.0	19164.7	19139.2
15°	14475.7	14301.4	14398.0	14351.0	14325.6
17.5°	9734.5	9667.4	9796.1	9757.3	9589.7
20°	7002.6	7020.0	7265.3	7142.0	6993.2
22.5°	5109.9	5172.9	5463.7	5146.1	5029.4
25°	3402.1	3530.8	3836.4	3441.0	3332.4
27.5°	2092.5	2151.4	2461.1	2065.7	2006.7
30°	1301.6	1272.1	1418.2	1217.1	1134.0
32.5°	853.9	816.3	863.3	774.8	707.8
35°	571.0	583.1	546.9	542.9	458.4
37.5°	356.6	410.2	361.9	386.1	294.9
40°	230.6	297.6	256.0	282.8	217.2
42.5°	189.0	229.2	210.5	223.9	193.0
45°	150.1	186.3	186.3	186.3	151.5
47.5°	83.1	124.7	159.5	127.3	88.5
50°	46.9	63.0	123.3	65.7	49.6
52.5°	32.2	36.2	84.4	37.5	33.5
55°	24.1	25.5	45.6	26.8	25.5
57.5°	18.8	20.1	24.1	20.1	18.8
60°	14.7	14.7	17.4	16.1	14.7
62.5°	10.7	10.7	12.1	10.7	10.7
65°	8.0	8.0	8.0	8.0	8.0
67.5°	4.0	5.4	5.4	5.4	5.4
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	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



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)