

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: P771106

Luminaire Tested: LD6D75BD010-EU6DR3070959040-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771106  
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-EU6DR3070959040-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9253.0 lumens  
Efficiency: N/A  
Efficacy: 127.8 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

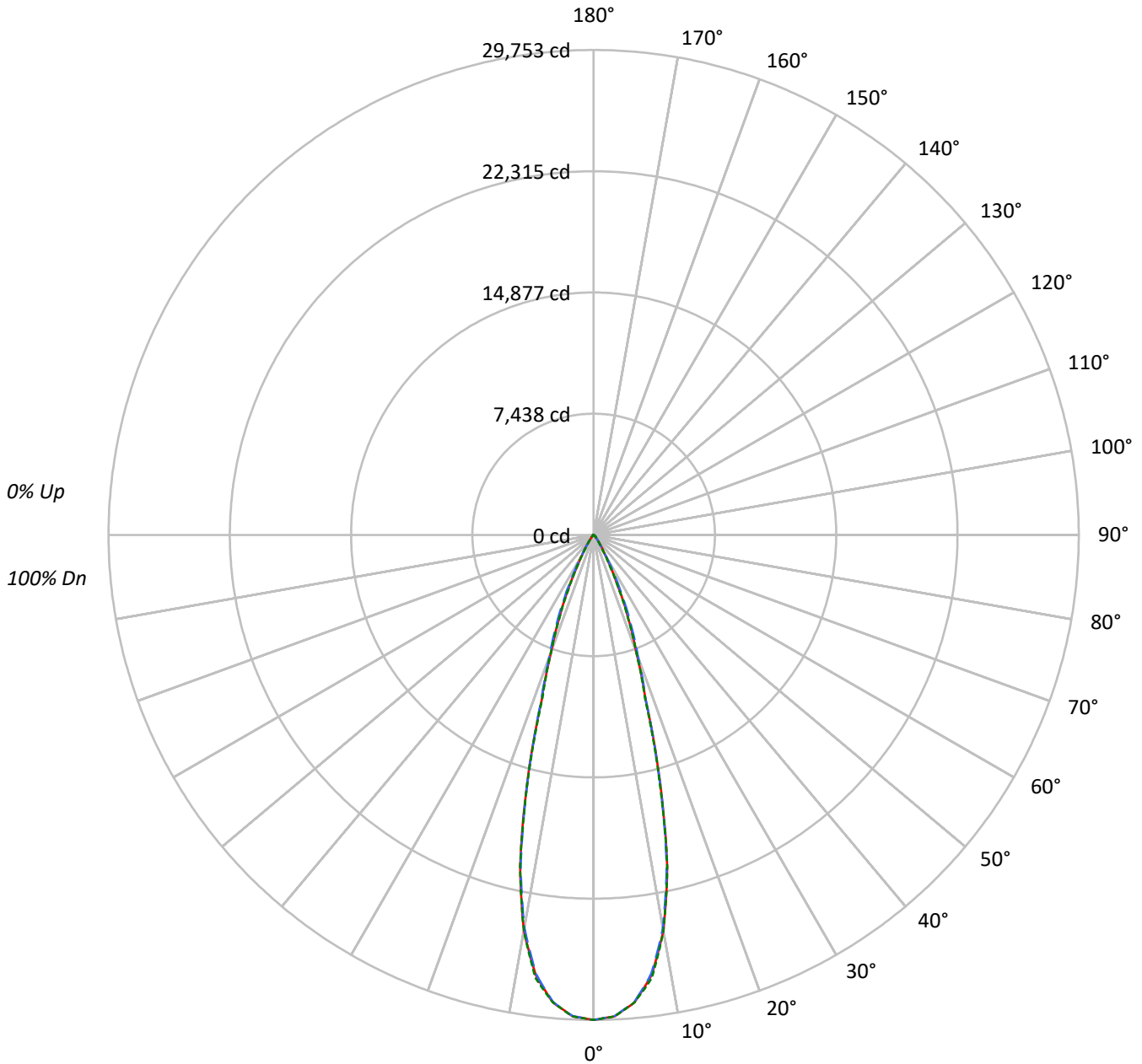
Input Watts (W): 72.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P771106  
CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P771106

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBDP1LI

**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°	2277388	2277388	2277388
5°	2212010	2209428	2212117
10°	1915933	1902424	1915482
15°	1250051	1243339	1237087
20°	621589	644910	620758
25°	313113	353086	306703
30°	125365	136599	109226
35°	58149	55692	46684
40°	25110	27878	23641
45°	17709	21974	17872
50°	6085	16004	6430
55°	3510	6632	3710
60°	2465	2909	2465
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: 21974 cd/sqm



TEST NUMBER: P771106

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2616.3	28.3
10°-20°	4213.6	45.5
20°-30°	1820.8	19.7
30°-40°	415.0	4.5
40°-50°	142.5	1.5
50°-60°	34.8	0.4
60°-70°	9.0	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°	8650.7	93.5
0°-40°	9065.7	98.0
0°-60°	9243.0	99.9
0°-90°	9253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9253.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	29753	29753	29753	29753	29753	
5°	28789	28761	28755	28815	28790	2618
15°	15775	15585	15690	15639	15611	4224
25°	3707	3848	4181	3750	3632	1775
35°	622	635	596	592	500	422
45°	164	203	203	203	165	116
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: P771106

CATALOG NUMBER: LD6D75BD010-EU6DR3070959040-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	29752.9	29752.9	29752.9	29752.9	29752.9
2.5°	29555.7	29535.2	29546.9	29561.5	29567.3
5°	28788.8	28761.0	28755.2	28815.1	28790.2
7.5°	27241.8	27202.4	27142.5	27278.3	27405.4
10°	24650.4	24606.6	24476.6	24540.9	24644.6
12.5°	20824.7	20683.0	20680.1	20884.6	20856.8
15°	15774.8	15584.9	15690.1	15639.0	15611.2
17.5°	10608.1	10535.0	10675.3	10632.9	10450.3
20°	7631.0	7650.0	7917.3	7783.0	7620.8
22.5°	5568.4	5637.1	5954.1	5607.9	5480.8
25°	3707.4	3847.7	4180.7	3749.8	3631.5
27.5°	2280.3	2344.5	2682.0	2251.0	2186.8
30°	1418.4	1386.3	1545.5	1326.4	1235.8
32.5°	930.5	889.6	940.7	844.3	771.3
35°	622.3	635.4	596.0	591.6	499.6
37.5°	388.6	447.0	394.4	420.7	321.4
40°	251.3	324.3	279.0	308.2	236.6
42.5°	206.0	249.8	229.3	243.9	210.4
45°	163.6	203.0	203.0	203.0	165.1
47.5°	90.6	135.9	173.8	138.8	96.4
50°	51.1	68.7	134.4	71.6	54.0
52.5°	35.1	39.4	92.0	40.9	36.5
55°	26.3	27.8	49.7	29.2	27.8
57.5°	20.5	21.9	26.3	21.9	20.5
60°	16.1	16.1	19.0	17.5	16.1
62.5°	11.7	11.7	13.1	11.7	11.7
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.8	5.8	5.8	5.8
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)