

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: P773576

Luminaire Tested: LD6D90BD010-EU6DR4070959030-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR4070959030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11965.1 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 98.9  
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

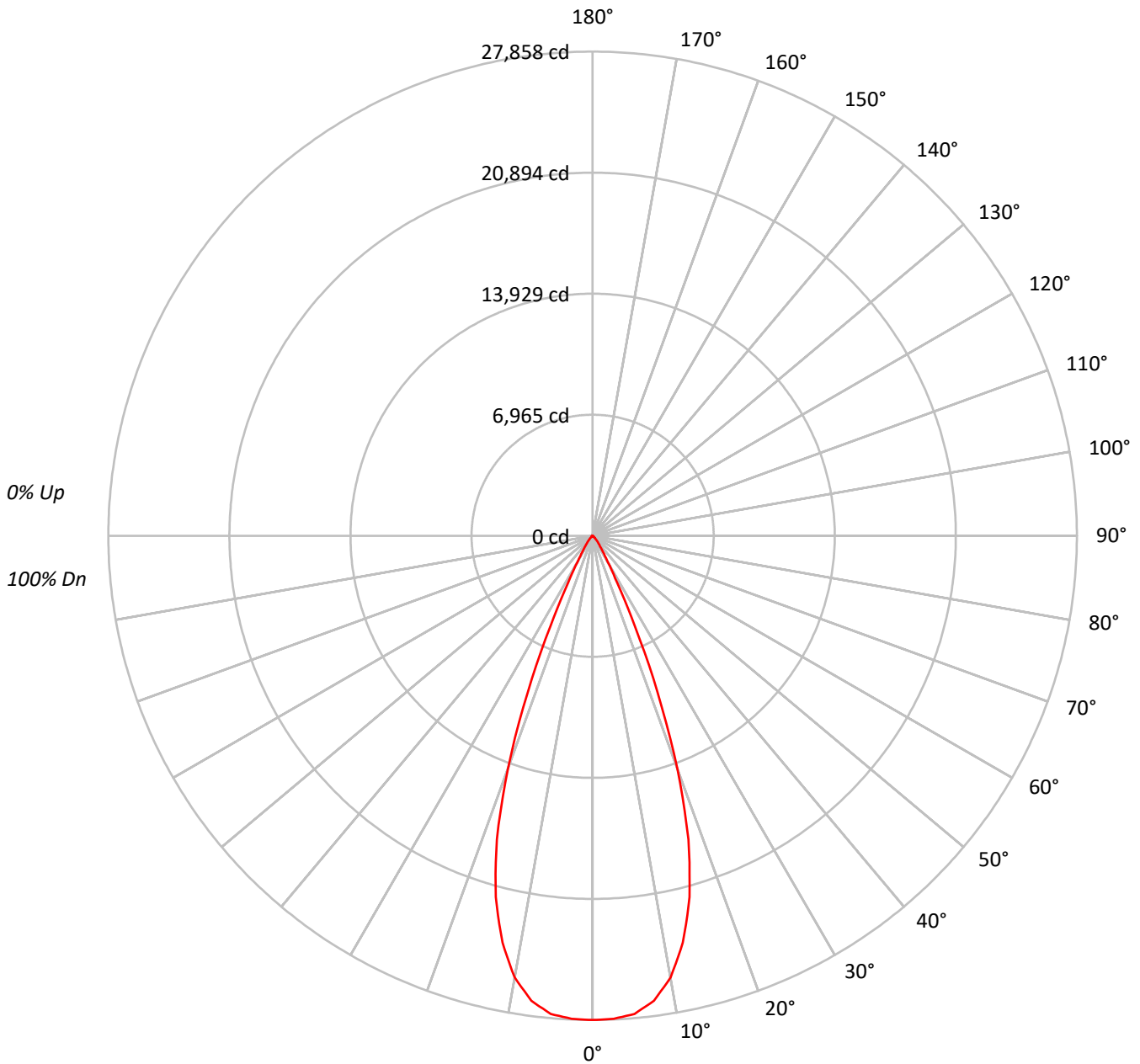


Downlight

TEST NUMBER: P773576

CATALOG NUMBER: LD6D90BD010-EU6DR4070959030-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P773576

CATALOG NUMBER: LD6D90BD010-EU6DR4070959030-6LBDP1LI

**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			100																
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96																
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92																
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88																
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84																
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81																
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77																
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74																
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72																
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			69																
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67																

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	3043753
5°	3028969
10°	2863035
15°	2433942
20°	1658911
25°	692160
30°	217632
35°	101157
40°	55939
45°	25650
50°	12443
55°	6820
60°	3562
65°	1267
70°	511
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25650 cd/sqm



TEST NUMBER: P773576

CATALOG NUMBER: LD6D90BD010-EU6DR4070959030-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2578.7	21.6
10°-20°	5777.0	48.3
20°-30°	2891.8	24.2
30°-40°	530.1	4.4
40°-50°	146.3	1.2
50°-60°	34.4	0.3
60°-70°	6.6	0.1
70°-80°	0.2	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°	11247.5	94.0
0°-40°	11777.6	98.4
0°-60°	11958.2	99.9
0°-90°	11965.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11965.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	27858	
5°	27617	###
15°	21517	5777
25°	5741	2892
35°	758	530
45°	166	146
55°	36	34
65°	5	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P773576

CATALOG NUMBER: LD6D90BD010-EU6DR4070959030-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	27857.7
2.5°	27817.0
5°	27616.9
7.5°	26978.9
10°	25805.6
12.5°	23976.4
15°	21517.4
17.5°	18319.6
20°	14267.4
22.5°	9726.9
25°	5741.4
27.5°	3035.1
30°	1725.0
32.5°	1114.8
35°	758.4
37.5°	541.9
40°	392.2
42.5°	268.5
45°	166.0
47.5°	105.8
50°	73.2
52.5°	52.1
55°	35.8
57.5°	22.8
60°	16.3
62.5°	9.8
65°	4.9
67.5°	3.3
70°	1.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	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





Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

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)