

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: P771535

Luminaire Tested: LD6D75BD010-EU6DR6070959027-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D75BD010-EU6DR6070959027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8719.7 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' 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

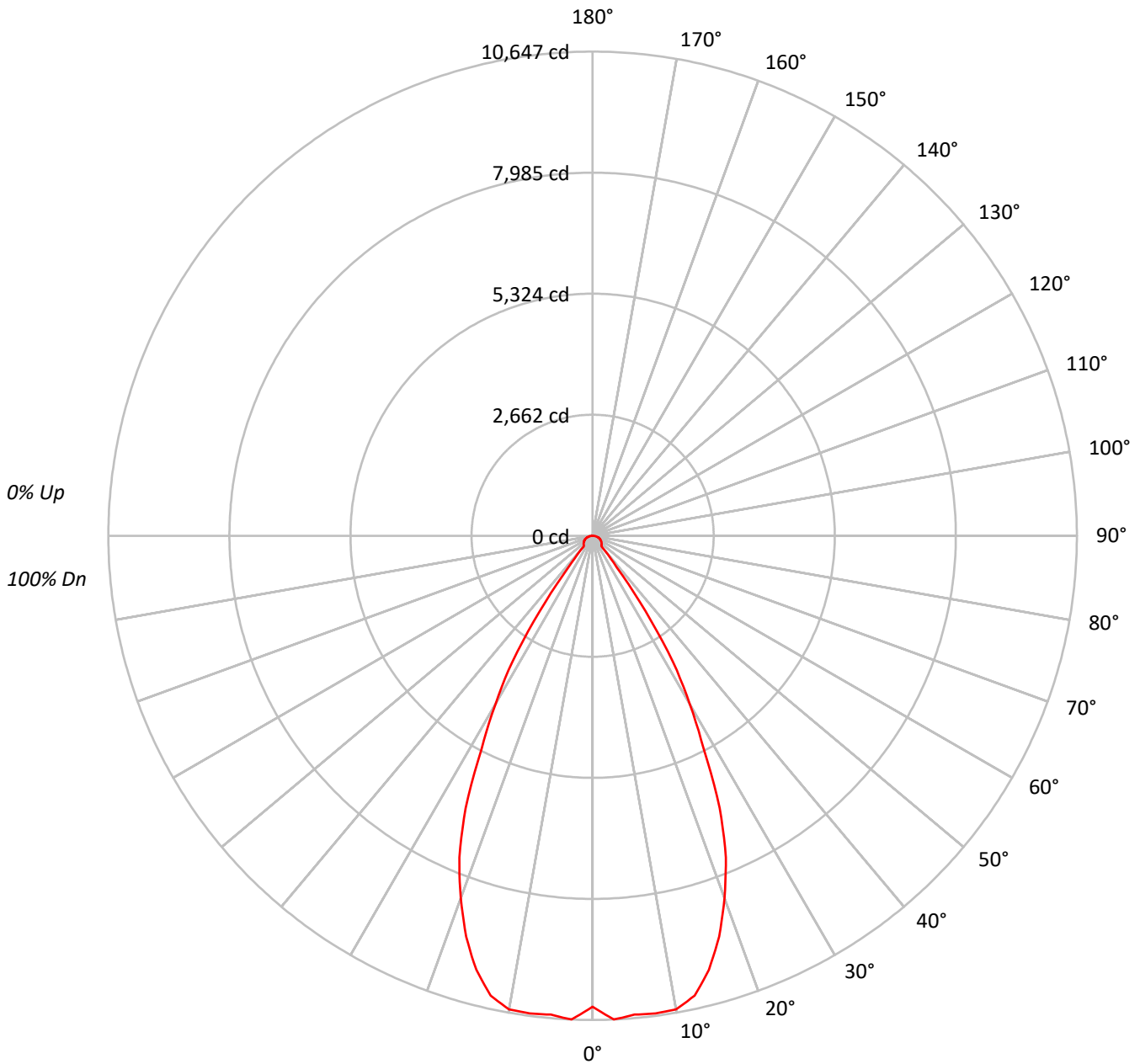


Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

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

	0°
0°	1131472
5°	1159298
10°	1173301
15°	1117724
20°	985494
25°	797092
30°	539172
35°	270180
40°	43830
45°	42894
50°	43753
55°	44422
60°	45649
65°	46691
70°	47791
75°	48379
80°	46624
85°	38862

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 48379 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1010.2	11.6
10°-20°	2733.2	31.3
20°-30°	2940.7	33.7
30°-40°	1278.3	14.7
40°-50°	214.7	2.5
50°-60°	208.8	2.4
60°-70°	178.6	2.0
70°-80°	119.5	1.4
80°-90°	35.8	0.4
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°	6684.2	76.7
0°-40°	7962.5	91.3
0°-60°	8385.9	96.2
0°-90°	8719.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8719.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10356	
5°	10570	###
15°	9881	2733
25°	6612	2941
35°	2026	1278
45°	278	215
55°	233	209
65°	181	179
75°	115	119
85°	31	36
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10355.7
2.5°	10646.8
5°	10570.0
7.5°	10594.3
10°	10575.4
12.5°	10357.1
15°	9881.3
17.5°	9242.5
20°	8475.7
22.5°	7654.9
25°	6611.8
27.5°	5288.4
30°	4273.6
32.5°	3293.8
35°	2025.6
37.5°	866.6
40°	307.3
42.5°	283.0
45°	277.6
47.5°	268.2
50°	257.4
52.5°	245.3
55°	233.2
57.5°	221.0
60°	208.9
62.5°	195.4
65°	180.6
67.5°	165.8
70°	149.6
72.5°	132.1
75°	114.6
77.5°	94.3
80°	74.1
82.5°	52.6
85°	31.0
87.5°	10.8
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

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— 0°-180°

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(END OF REPORT)