

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: P771618

Luminaire Tested: LD6D75BD010-EU6DR6570959027-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771618  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D75BD010-EU6DR6570959027-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7257.9 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' 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

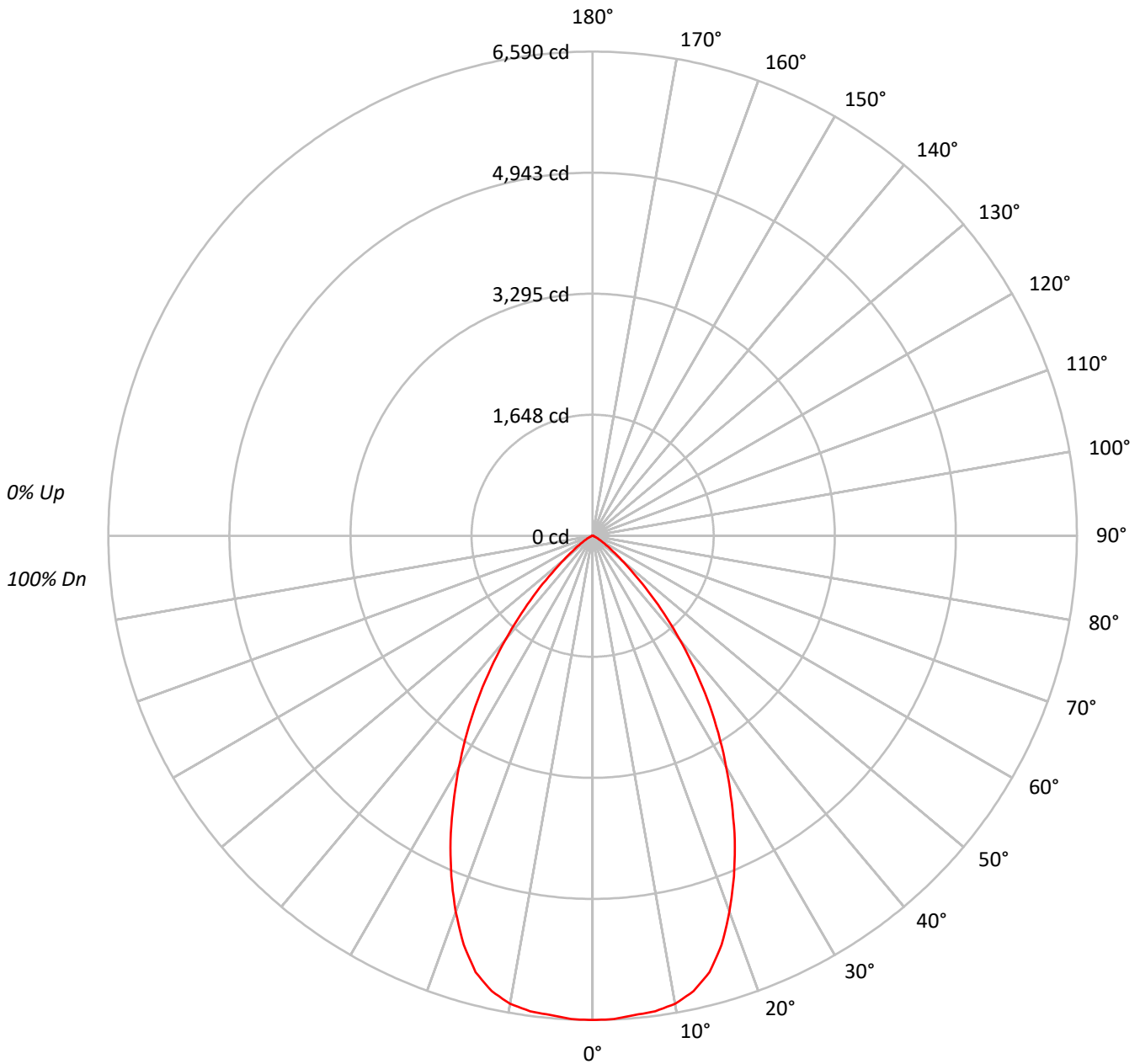


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

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

	0°
0°	384882
5°	383907
10°	383584
15°	371758
20°	338437
25°	294930
30°	245296
35°	194365
40°	140283
45°	88625
50°	46193
55°	24550
60°	12896
65°	7089
70°	2971
75°	3272
80°	2287
85°	1943

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 88625 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	623.2	8.6
10°-20°	1706.6	23.5
20°-30°	2086.0	28.7
30°-40°	1692.5	23.3
40°-50°	843.4	11.6
50°-60°	235.3	3.2
60°-70°	53.4	0.7
70°-80°	13.9	0.2
80°-90°	3.5	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°	4415.8	60.8
0°-40°	6108.3	84.2
0°-60°	7187.0	99.0
0°-90°	7257.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7257.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6590	
5°	6548	623
15°	6148	1707
25°	4577	2086
35°	2726	1693
45°	1073	843
55°	241	235
65°	51	53
75°	14	14
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6590.0
2.5°	6585.1
5°	6548.3
7.5°	6527.0
10°	6468.0
12.5°	6347.9
15°	6148.4
17.5°	5836.6
20°	5445.3
22.5°	5023.1
25°	4576.7
27.5°	4099.3
30°	3637.3
32.5°	3181.2
35°	2726.1
37.5°	2271.9
40°	1840.0
42.5°	1435.2
45°	1073.0
47.5°	747.6
50°	508.4
52.5°	350.6
55°	241.1
57.5°	162.7
60°	110.4
62.5°	76.5
65°	51.3
67.5°	26.1
70°	17.4
72.5°	16.5
75°	14.5
77.5°	9.7
80°	6.8
82.5°	4.8
85°	2.9
87.5°	1.9
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)