

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: P771663

Luminaire Tested: LD6D75BD010-EU6DR6570959050-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771663  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D75BD010-EU6DR6570959050-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5932.2 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
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

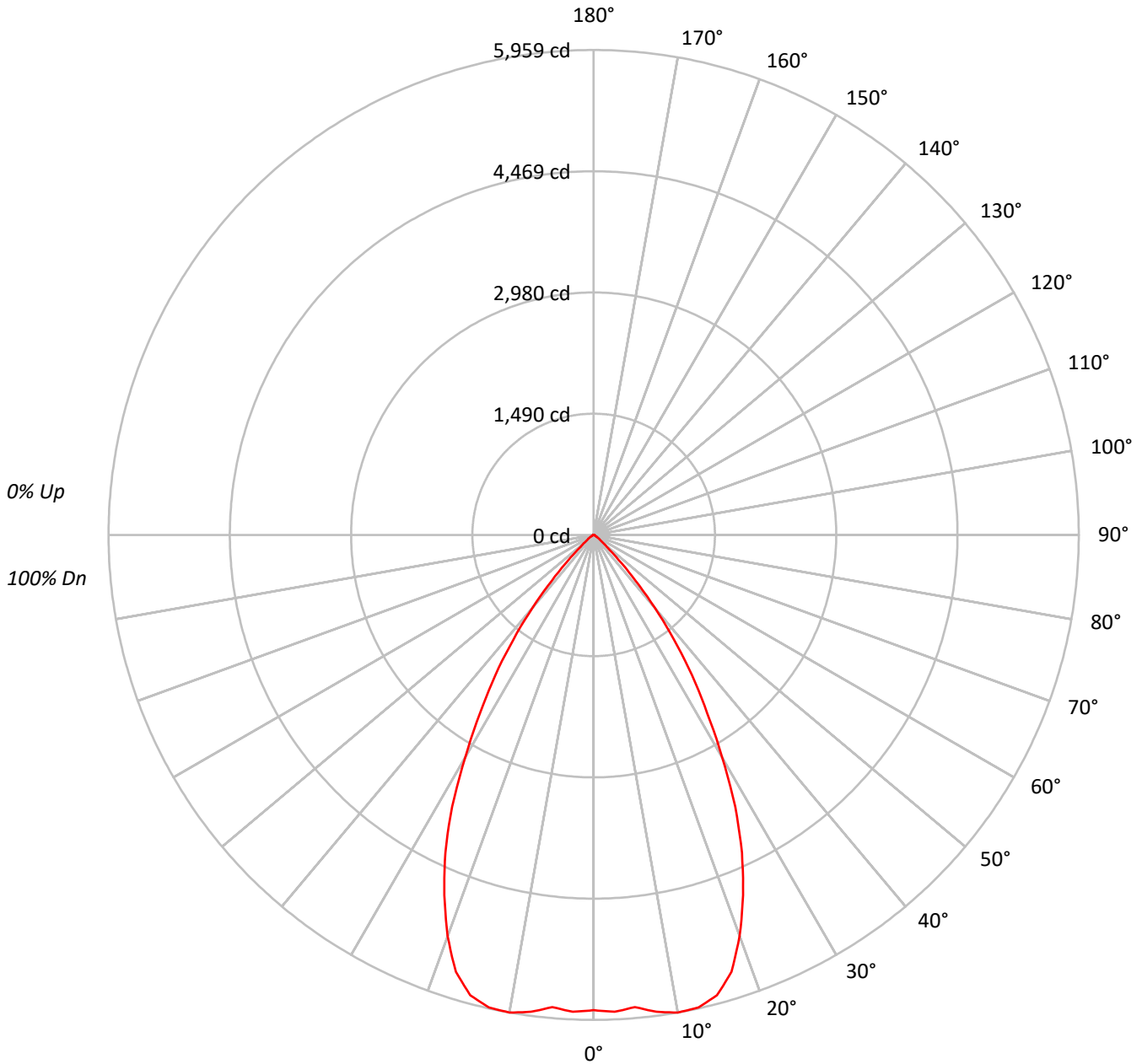


Downlight

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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

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

	0°
0°	638159
5°	638689
10°	661173
15°	662266
20°	609723
25°	519512
30°	397705
35°	280971
40°	165850
45°	67324
50°	24409
55°	13601
60°	7801
65°	4292
70°	4504
75°	3504
80°	3649
85°	3134

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 67324 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	562.4	9.5
10°-20°	1622.3	27.3
20°-30°	1946.4	32.8
30°-40°	1308.1	22.1
40°-50°	391.5	6.6
50°-60°	69.1	1.2
60°-70°	19.6	0.3
70°-80°	9.6	0.2
80°-90°	3.0	0.1
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°	4131.1	69.6
0°-40°	5439.2	91.7
0°-60°	5899.9	99.5
0°-90°	5932.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5932.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5841	
5°	5823	562
15°	5855	1622
25°	4309	1946
35°	2106	1308
45°	436	392
55°	71	69
65°	17	20
75°	8	10
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5840.7
2.5°	5865.6
5°	5823.3
7.5°	5911.2
10°	5959.4
12.5°	5947.8
15°	5854.8
17.5°	5627.4
20°	5243.9
22.5°	4792.4
25°	4309.3
27.5°	3764.0
30°	3152.3
32.5°	2597.9
35°	2106.5
37.5°	1621.0
40°	1162.8
42.5°	759.4
45°	435.7
47.5°	230.7
50°	143.6
52.5°	99.6
55°	71.4
57.5°	51.5
60°	35.7
62.5°	23.2
65°	16.6
67.5°	14.9
70°	14.1
72.5°	10.8
75°	8.3
77.5°	7.5
80°	5.8
82.5°	4.1
85°	2.5
87.5°	1.7
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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Scaled Data Report



(END OF REPORT)