

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: P773122

Luminaire Tested: LD6D85BD010-EU6DR6070959035-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773122  
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: LD6D85BD010-EU6DR6070959035-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9443.1 lumens  
Efficiency: N/A  
Efficacy: 107.7 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): 87.7  
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

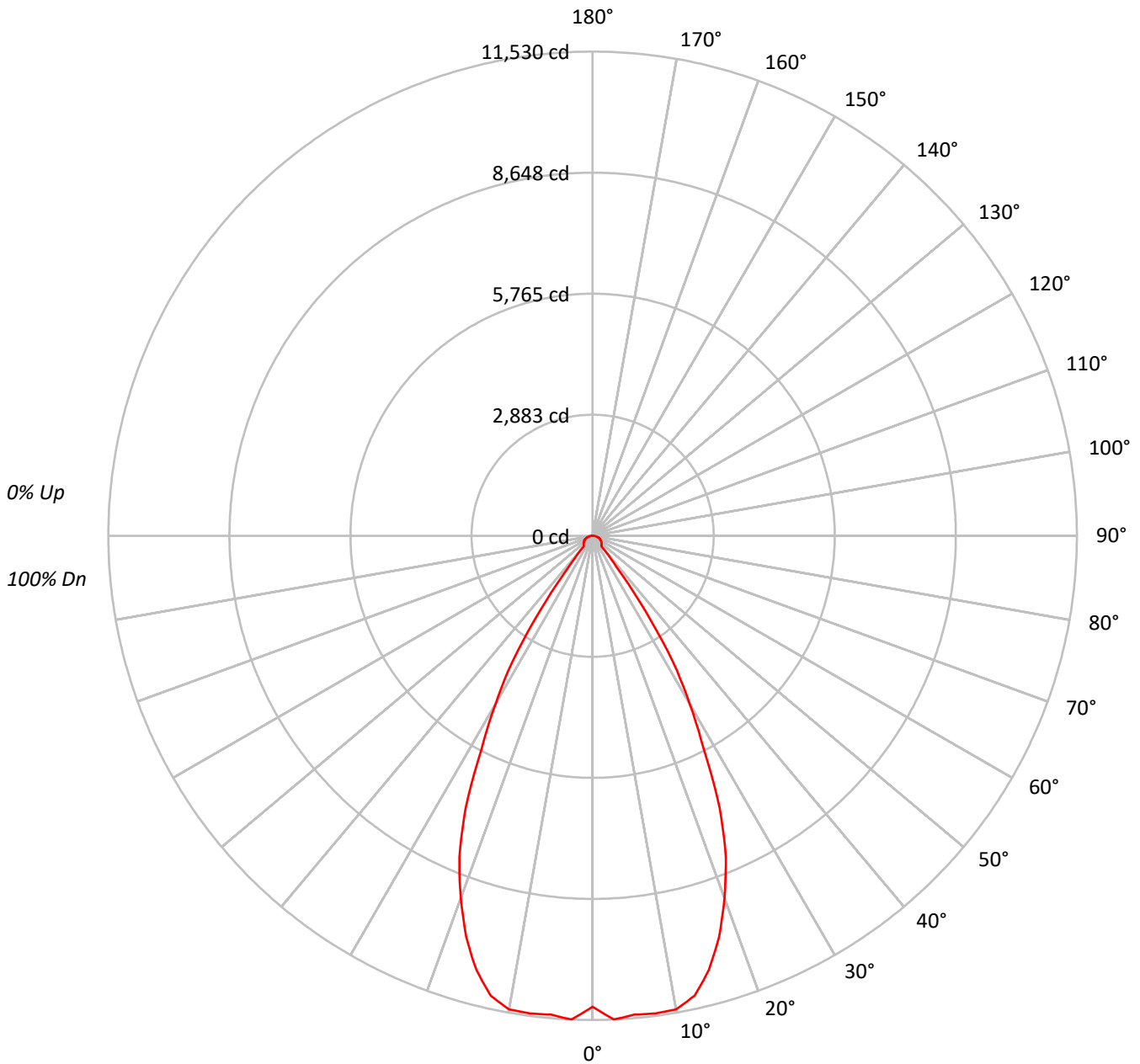


Downlight

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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	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°	1225338
5°	1255474
10°	1270634
15°	1210456
20°	1067245
25°	863216
30°	583897
35°	292588
40°	47467
45°	46464
50°	47390
55°	48099
60°	49430
65°	50569
70°	51752
75°	52389
80°	50525
85°	42122

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 52389 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1094.0	11.6
10°-20°	2960.0	31.3
20°-30°	3184.7	33.7
30°-40°	1384.3	14.7
40°-50°	232.5	2.5
50°-60°	226.1	2.4
60°-70°	193.4	2.0
70°-80°	129.4	1.4
80°-90°	38.7	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°	7238.7	76.7
0°-40°	8623.0	91.3
0°-60°	9081.6	96.2
0°-90°	9443.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9443.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11215	
5°	11447	###
15°	10701	2960
25°	7160	3185
35°	2194	1384
45°	301	233
55°	252	226
65°	196	193
75°	124	129
85°	34	39
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11214.8
2.5°	11530.1
5°	11446.9
7.5°	11473.2
10°	11452.7
12.5°	11216.3
15°	10701.1
17.5°	10009.3
20°	9178.8
22.5°	8290.0
25°	7160.3
27.5°	5727.1
30°	4628.1
32.5°	3567.0
35°	2193.6
37.5°	938.5
40°	332.8
42.5°	306.5
45°	300.7
47.5°	290.4
50°	278.8
52.5°	265.6
55°	252.5
57.5°	239.4
60°	226.2
62.5°	211.6
65°	195.6
67.5°	179.5
70°	162.0
72.5°	143.0
75°	124.1
77.5°	102.2
80°	80.3
82.5°	56.9
85°	33.6
87.5°	11.7
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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(END OF REPORT)