

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: P773148

Luminaire Tested: LD6D85BD010-EU6DR6070959050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773148  
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-EU6DR6070959050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9955.2 lumens  
Efficiency: N/A  
Efficacy: 113.5 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

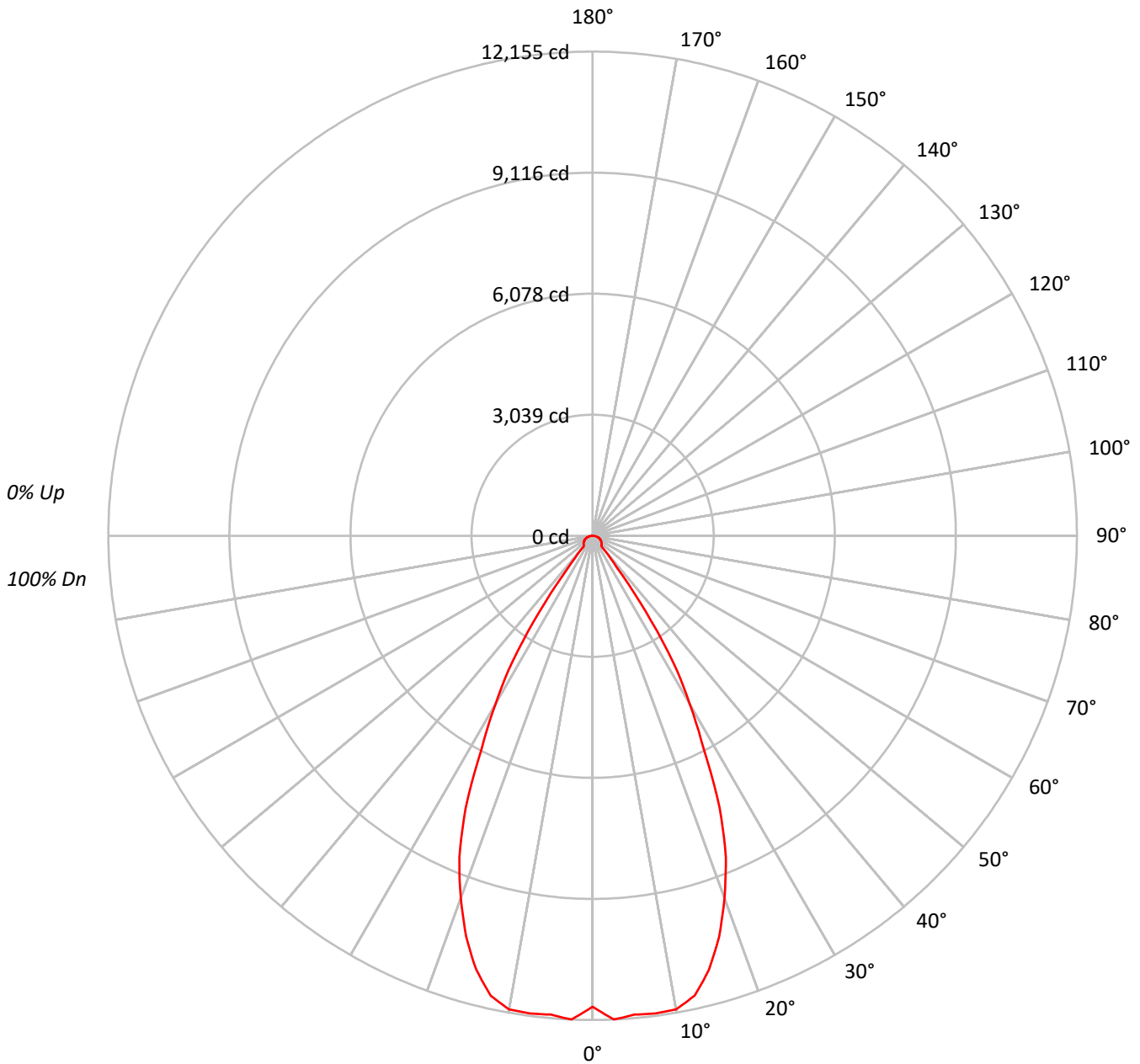


Downlight

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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°	1291790
5°	1323563
10°	1339543
15°	1276096
20°	1125126
25°	910028
30°	615564
35°	308461
40°	50035
45°	48982
50°	49957
55°	50709
60°	52117
65°	53309
70°	54563
75°	55217
80°	53231
85°	44378

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 55217 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1153.4	11.6
10°-20°	3120.5	31.3
20°-30°	3357.4	33.7
30°-40°	1459.4	14.7
40°-50°	245.1	2.5
50°-60°	238.3	2.4
60°-70°	203.9	2.0
70°-80°	136.4	1.4
80°-90°	40.8	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°	7631.3	76.7
0°-40°	9090.7	91.3
0°-60°	9574.1	96.2
0°-90°	9955.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9955.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11823	
5°	12068	###
15°	11281	3121
25°	7549	3357
35°	2313	1459
45°	317	245
55°	266	238
65°	206	204
75°	131	136
85°	35	41
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11823.0
2.5°	12155.4
5°	12067.7
7.5°	12095.4
10°	12073.8
12.5°	11824.6
15°	11281.4
17.5°	10552.1
20°	9676.6
22.5°	8739.6
25°	7548.6
27.5°	6037.7
30°	4879.1
32.5°	3760.5
35°	2312.6
37.5°	989.4
40°	350.8
42.5°	323.1
45°	317.0
47.5°	306.2
50°	293.9
52.5°	280.0
55°	266.2
57.5°	252.3
60°	238.5
62.5°	223.1
65°	206.2
67.5°	189.3
70°	170.8
72.5°	150.8
75°	130.8
77.5°	107.7
80°	84.6
82.5°	60.0
85°	35.4
87.5°	12.3
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)