

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: P772813

Luminaire Tested: LD6D85BD010-EU6DR4070959035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772813  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR4070959035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11997.2 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

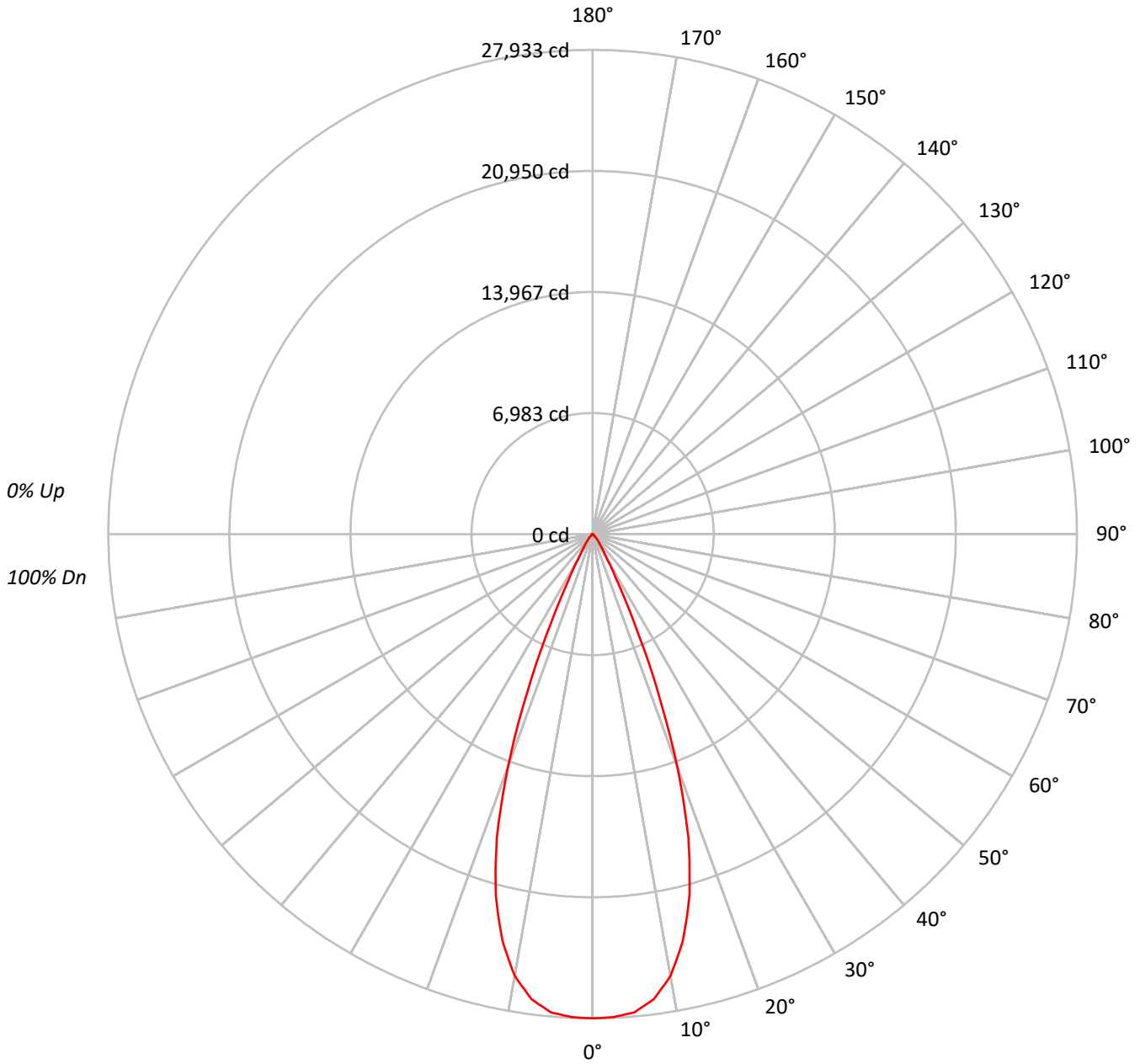
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96		
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88		
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84		
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81		
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77		
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74		
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72		
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69		
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67		

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

	0°
0°	3051959
5°	3037119
10°	2870746
15°	2440491
20°	1663376
25°	694028
30°	218225
35°	101424
40°	56096
45°	25712
50°	12476
55°	6839
60°	3562
65°	1267
70°	511
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25712 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2585.7	21.6
10°-20°	5792.6	48.3
20°-30°	2899.6	24.2
30°-40°	531.5	4.4
40°-50°	146.6	1.2
50°-60°	34.4	0.3
60°-70°	6.6	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	11277.8	94.0
0°-40°	11809.4	98.4
0°-60°	11990.4	99.9
0°-90°	11997.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11997.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	27933	
5°	27691	###
15°	21575	5793
25°	5757	2900
35°	760	532
45°	166	147
55°	36	34
65°	5	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	27932.8
2.5°	27892.0
5°	27691.2
7.5°	27051.6
10°	25875.1
12.5°	24041.0
15°	21575.3
17.5°	18368.9
20°	14305.8
22.5°	9753.1
25°	5756.9
27.5°	3043.3
30°	1729.7
32.5°	1117.8
35°	760.4
37.5°	543.4
40°	393.3
42.5°	269.2
45°	166.4
47.5°	106.1
50°	73.4
52.5°	52.2
55°	35.9
57.5°	22.8
60°	16.3
62.5°	9.8
65°	4.9
67.5°	3.3
70°	1.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)