

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: P773263

Luminaire Tested: LD6D85BD010-EU6DR7070959030-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773263  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR7070959030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10386.3 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

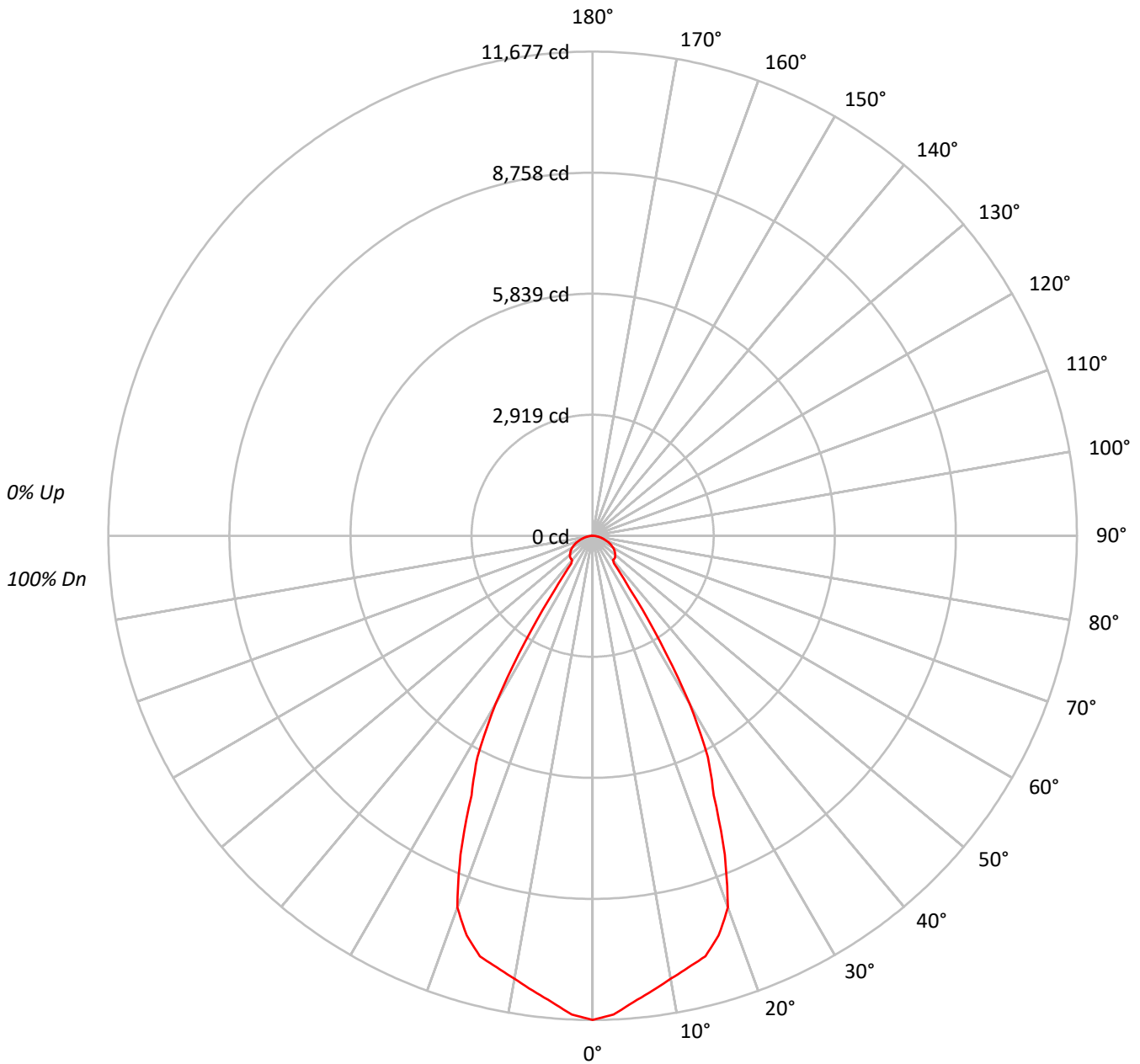
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65	
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	

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

	0°
0°	1275860
5°	1237948
10°	1203445
15°	1187652
20°	1109022
25°	833150
30°	588969
35°	208624
40°	109697
45°	116847
50°	120991
55°	123266
60°	124033
65°	121407
70°	114589
75°	106129
80°	94255
85°	76471

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 124065 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1064.6	10.3
10°-20°	2920.2	28.1
20°-30°	3216.2	31.0
30°-40°	1228.8	11.8
40°-50°	580.2	5.6
50°-60°	576.8	5.6
60°-70°	461.8	4.4
70°-80°	265.4	2.6
80°-90°	72.2	0.7
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°	7201.0	69.3
0°-40°	8429.8	81.2
0°-60°	9586.9	92.3
0°-90°	10386.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10386.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11677	
5°	11287	###
15°	10500	2920
25°	6911	3216
35°	1564	1229
45°	756	580
55°	647	577
65°	470	462
75°	251	265
85°	61	72
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11677.2
2.5°	11555.2
5°	11287.1
7.5°	11063.4
10°	10847.1
12.5°	10664.0
15°	10499.5
17.5°	10102.0
20°	9538.1
22.5°	8321.6
25°	6910.9
27.5°	6016.1
30°	4668.3
32.5°	3015.4
35°	1564.1
37.5°	844.9
40°	769.1
42.5°	763.6
45°	756.2
47.5°	739.5
50°	711.8
52.5°	680.4
55°	647.1
57.5°	610.1
60°	567.6
62.5°	519.5
65°	469.6
67.5°	414.1
70°	358.7
72.5°	303.2
75°	251.4
77.5°	197.8
80°	149.8
82.5°	105.4
85°	61.0
87.5°	24.0
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)