

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P772551

Luminaire Tested: LD6D85BD010-EU6DR2570959027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR2570959027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8794.3 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): 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

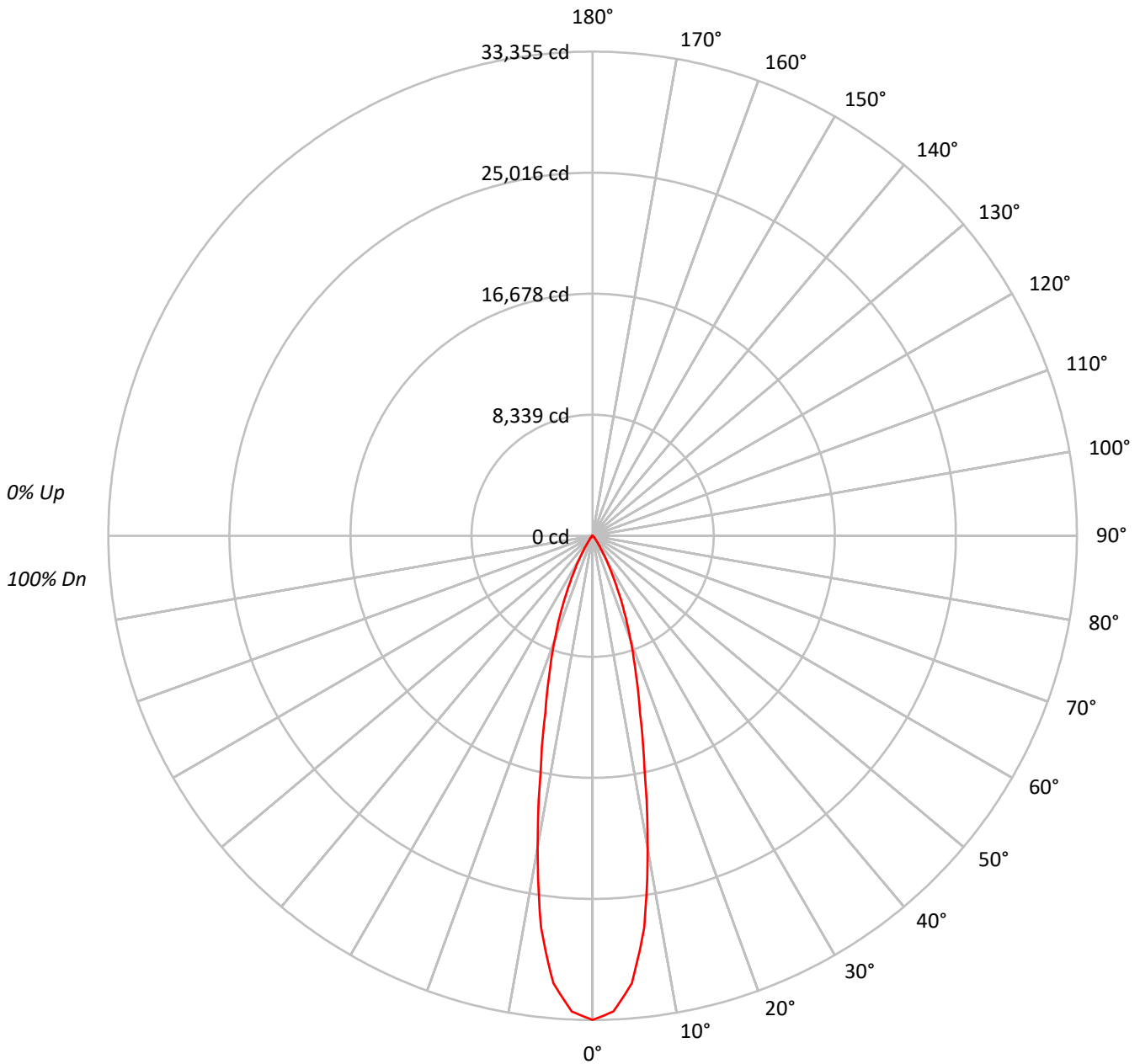


Downlight

TEST NUMBER: P772551

CATALOG NUMBER: LD6D85BD010-EU6DR2570959027-6LBS1B

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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																												
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																												
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																												
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																												
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82																												
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																												
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77																												
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																												
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																												
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3644392
5°	3394296
10°	2421247
15°	1426019
20°	887290
25°	486949
30°	222691
35°	84338
40°	38196
45°	22961
50°	9536
55°	6134
60°	4283
65°	2896
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22961 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2659.7	30.2
10°-20°	3602.4	41.0
20°-30°	1906.3	21.7
30°-40°	470.6	5.4
40°-50°	114.8	1.3
50°-60°	30.2	0.3
60°-70°	10.1	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°	8168.4	92.9
0°-40°	8639.0	98.2
0°-60°	8784.0	99.9
0°-90°	8794.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8794.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33355	
5°	30948	###
15°	12607	3602
25°	4039	1906
35°	632	471
45°	149	115
55°	32	30
65°	11	10
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	33355.0
2.5°	32806.8
5°	30947.8
7.5°	27212.9
10°	21823.6
12.5°	16497.4
15°	12606.8
17.5°	9825.2
20°	7631.1
22.5°	5723.0
25°	4039.2
27.5°	2708.7
30°	1765.1
32.5°	1073.9
35°	632.3
37.5°	387.0
40°	267.8
42.5°	204.7
45°	148.6
47.5°	89.7
50°	56.1
52.5°	40.7
55°	32.2
57.5°	25.2
60°	19.6
62.5°	15.4
65°	11.2
67.5°	4.2
70°	1.4
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

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)