

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: P773214

Luminaire Tested: LD6D85BD010-EU6DR6570959040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9320.8 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): 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

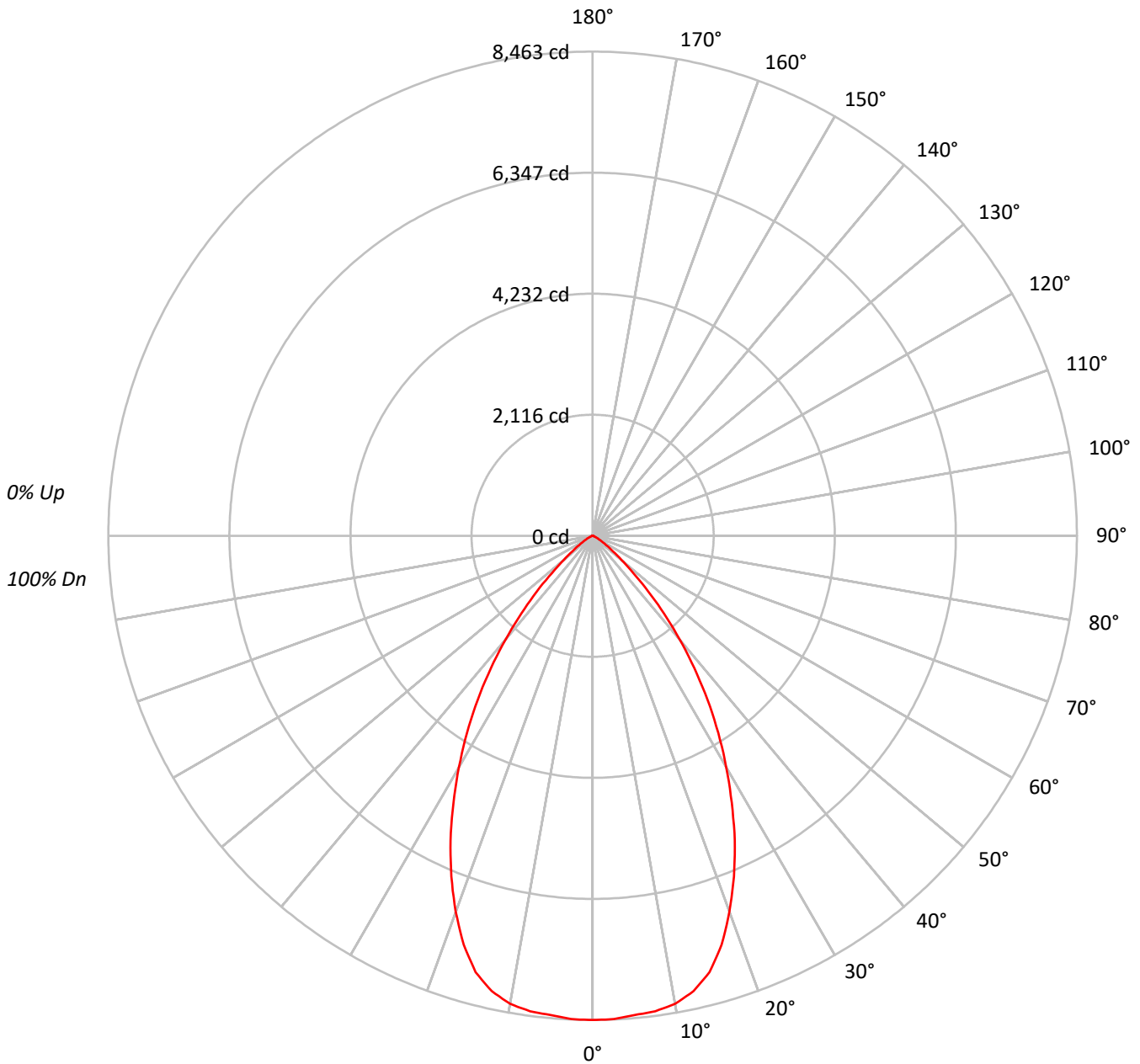


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	494272
5°	493029
10°	492604
15°	477419
20°	434630
25°	378755
30°	315021
35°	249607
40°	180149
45°	113817
50°	59323
55°	31535
60°	16563
65°	9107
70°	3825
75°	4220
80°	2926
85°	2479

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 113817 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.3	8.6
10°-20°	2191.6	23.5
20°-30°	2678.9	28.7
30°-40°	2173.6	23.3
40°-50°	1083.1	11.6
50°-60°	302.1	3.2
60°-70°	68.7	0.7
70°-80°	17.9	0.2
80°-90°	4.6	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°	5670.9	60.8
0°-40°	7844.5	84.2
0°-60°	9229.7	99.0
0°-90°	9320.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9320.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8463	
5°	8410	800
15°	7896	2192
25°	5878	2679
35°	3501	2174
45°	1378	1083
55°	310	302
65°	66	69
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8463.0
2.5°	8456.8
5°	8409.6
7.5°	8382.2
10°	8306.3
12.5°	8152.1
15°	7895.9
17.5°	7495.5
20°	6993.0
22.5°	6450.8
25°	5877.5
27.5°	5264.4
30°	4671.2
32.5°	4085.4
35°	3500.9
37.5°	2917.6
40°	2362.9
42.5°	1843.1
45°	1378.0
47.5°	960.1
50°	652.9
52.5°	450.2
55°	309.7
57.5°	208.9
60°	141.8
62.5°	98.2
65°	65.9
67.5°	33.6
70°	22.4
72.5°	21.1
75°	18.7
77.5°	12.4
80°	8.7
82.5°	6.2
85°	3.7
87.5°	2.5
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)