

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: P773981

Luminaire Tested: LD6D90BD010-EU6DR6570959035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773981
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: LD6D90BD010-EU6DR6570959035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9446.4 lumens
Efficiency: N/A
Efficacy: 95.5 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

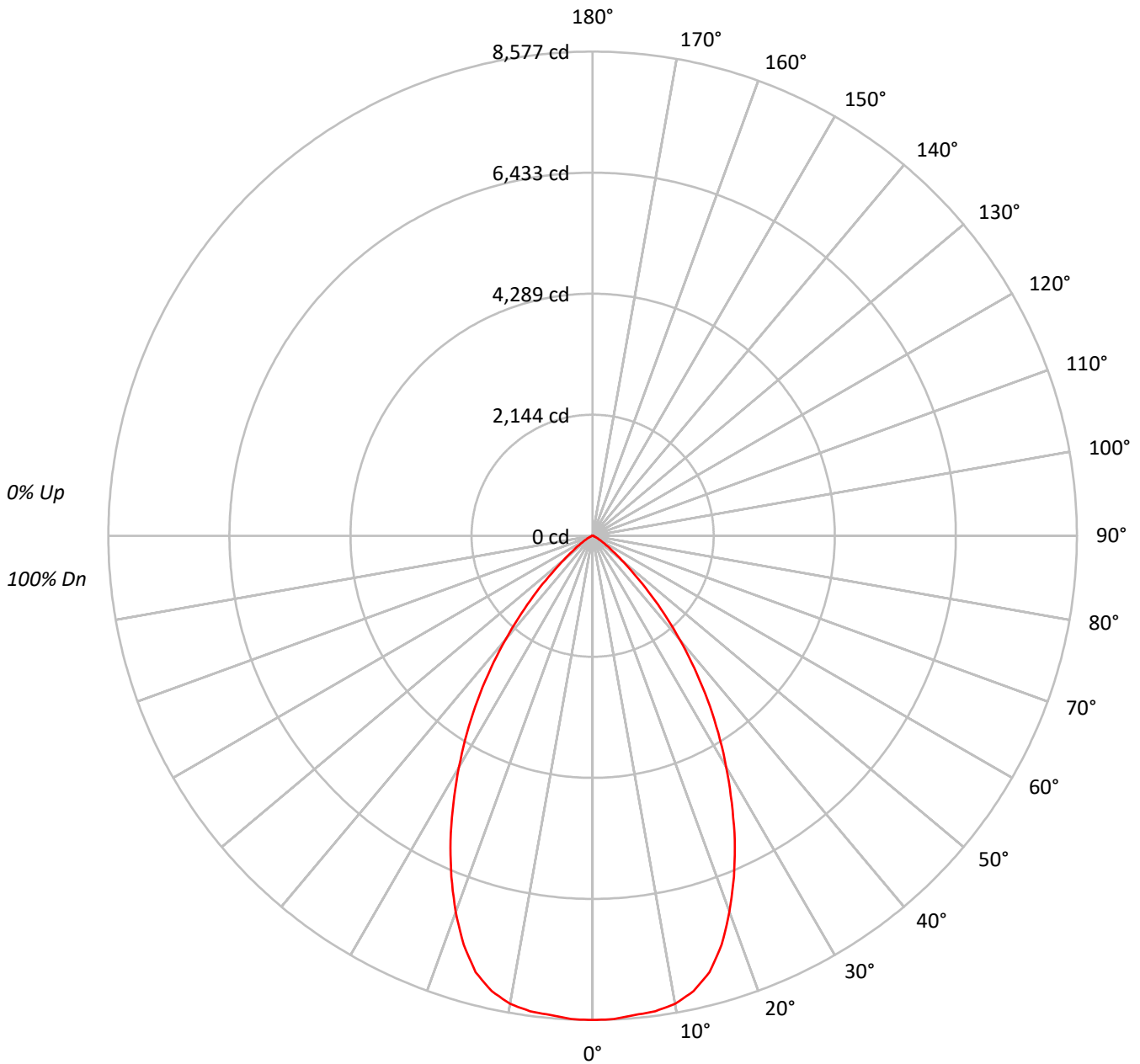
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	500936
5°	499672
10°	499246
15°	483858
20°	440491
25°	383859
30°	319263
35°	252972
40°	182582
45°	115345
50°	60122
55°	31952
60°	16785
65°	9231
70°	3876
75°	4265
80°	2960
85°	2546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 115345 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.1	8.6
10°-20°	2221.2	23.5
20°-30°	2715.0	28.7
30°-40°	2202.9	23.3
40°-50°	1097.7	11.6
50°-60°	306.2	3.2
60°-70°	69.6	0.7
70°-80°	18.1	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°	5747.3	60.8
0°-40°	7950.2	84.2
0°-60°	9354.1	99.0
0°-90°	9446.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9446.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8577	
5°	8523	811
15°	8002	2221
25°	5957	2715
35°	3548	2203
45°	1396	1098
55°	314	306
65°	67	70
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8577.1
2.5°	8570.8
5°	8522.9
7.5°	8495.2
10°	8418.3
12.5°	8262.0
15°	8002.4
17.5°	7596.5
20°	7087.3
22.5°	6537.8
25°	5956.7
27.5°	5335.3
30°	4734.1
32.5°	4140.5
35°	3548.1
37.5°	2956.9
40°	2394.8
42.5°	1867.9
45°	1396.5
47.5°	973.0
50°	661.7
52.5°	456.3
55°	313.8
57.5°	211.7
60°	143.7
62.5°	99.6
65°	66.8
67.5°	34.0
70°	22.7
72.5°	21.4
75°	18.9
77.5°	12.6
80°	8.8
82.5°	6.3
85°	3.8
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)