

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: P774724

Luminaire Tested: LD6D95BD010-EU6DR6570959024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774724
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: LD6D95BD010-EU6DR6570959024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9278.5 lumens
Efficiency: N/A
Efficacy: 93.5 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): 99.2
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

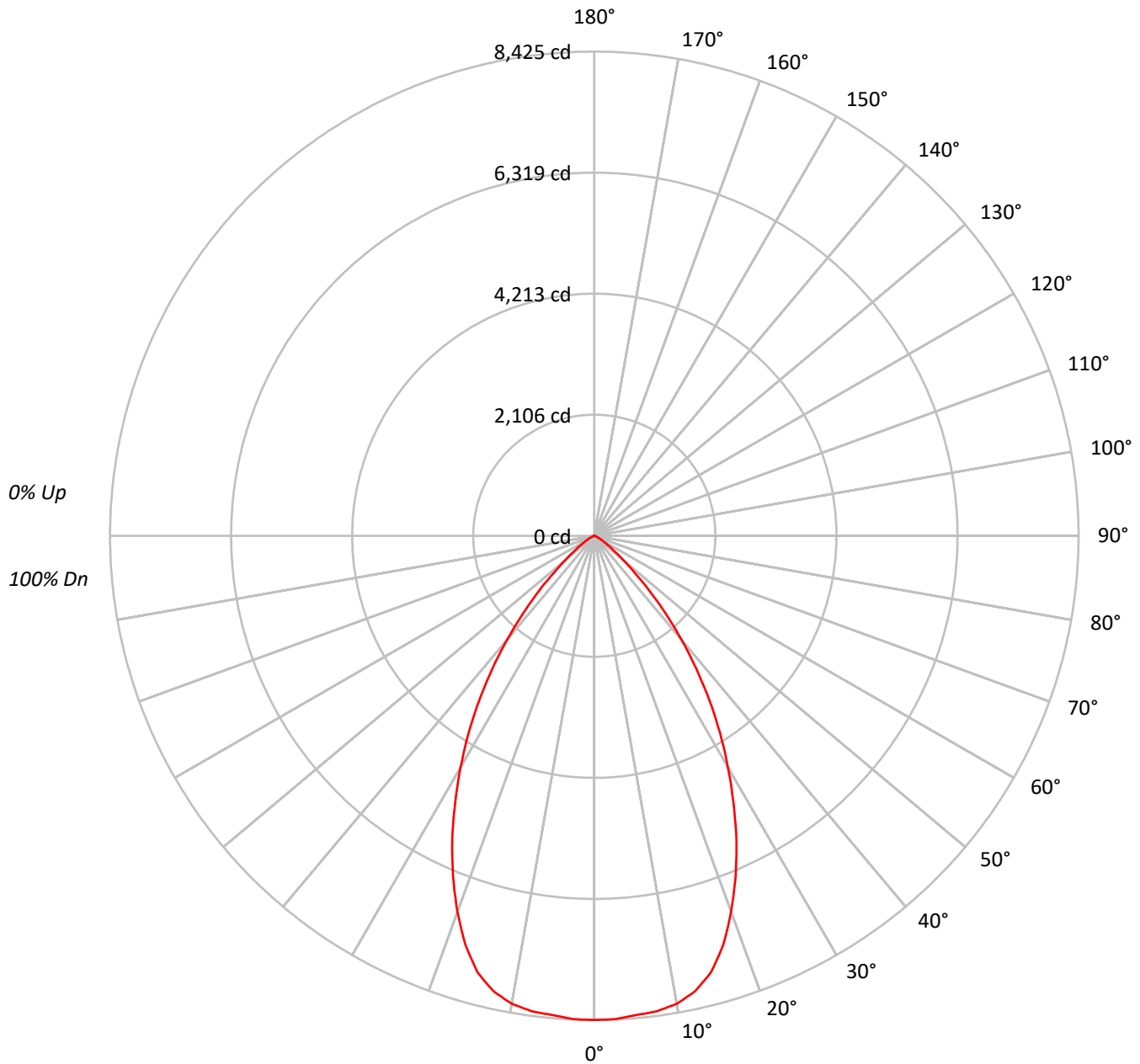


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	492029
5°	490790
10°	490368
15°	475254
20°	432659
25°	377035
30°	313585
35°	248473
40°	179334
45°	113296
50°	59059
55°	31392
60°	16482
65°	9066
70°	3808
75°	4197
80°	2926
85°	2479

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 113296 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	796.7	8.6
10°-20°	2181.7	23.5
20°-30°	2666.7	28.7
30°-40°	2163.7	23.3
40°-50°	1078.2	11.6
50°-60°	300.8	3.2
60°-70°	68.3	0.7
70°-80°	17.8	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°	5645.1	60.8
0°-40°	7808.8	84.2
0°-60°	9187.8	99.0
0°-90°	9278.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9278.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8425	
5°	8371	797
15°	7860	2182
25°	5851	2667
35°	3485	2164
45°	1372	1078
55°	308	301
65°	66	68
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8424.6
2.5°	8418.4
5°	8371.4
7.5°	8344.2
10°	8268.6
12.5°	8115.1
15°	7860.1
17.5°	7461.5
20°	6961.3
22.5°	6421.5
25°	5850.8
27.5°	5240.5
30°	4649.9
32.5°	4066.8
35°	3485.0
37.5°	2904.4
40°	2352.2
42.5°	1834.7
45°	1371.7
47.5°	955.7
50°	650.0
52.5°	448.2
55°	308.3
57.5°	208.0
60°	141.1
62.5°	97.8
65°	65.6
67.5°	33.4
70°	22.3
72.5°	21.0
75°	18.6
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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— 0°-180°







(END OF REPORT)