

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: P774775

Luminaire Tested: LD6D95BD010-EU6DR6570959040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774775
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-EU6DR6570959040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10908.3 lumens
Efficiency: N/A
Efficacy: 110.0 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

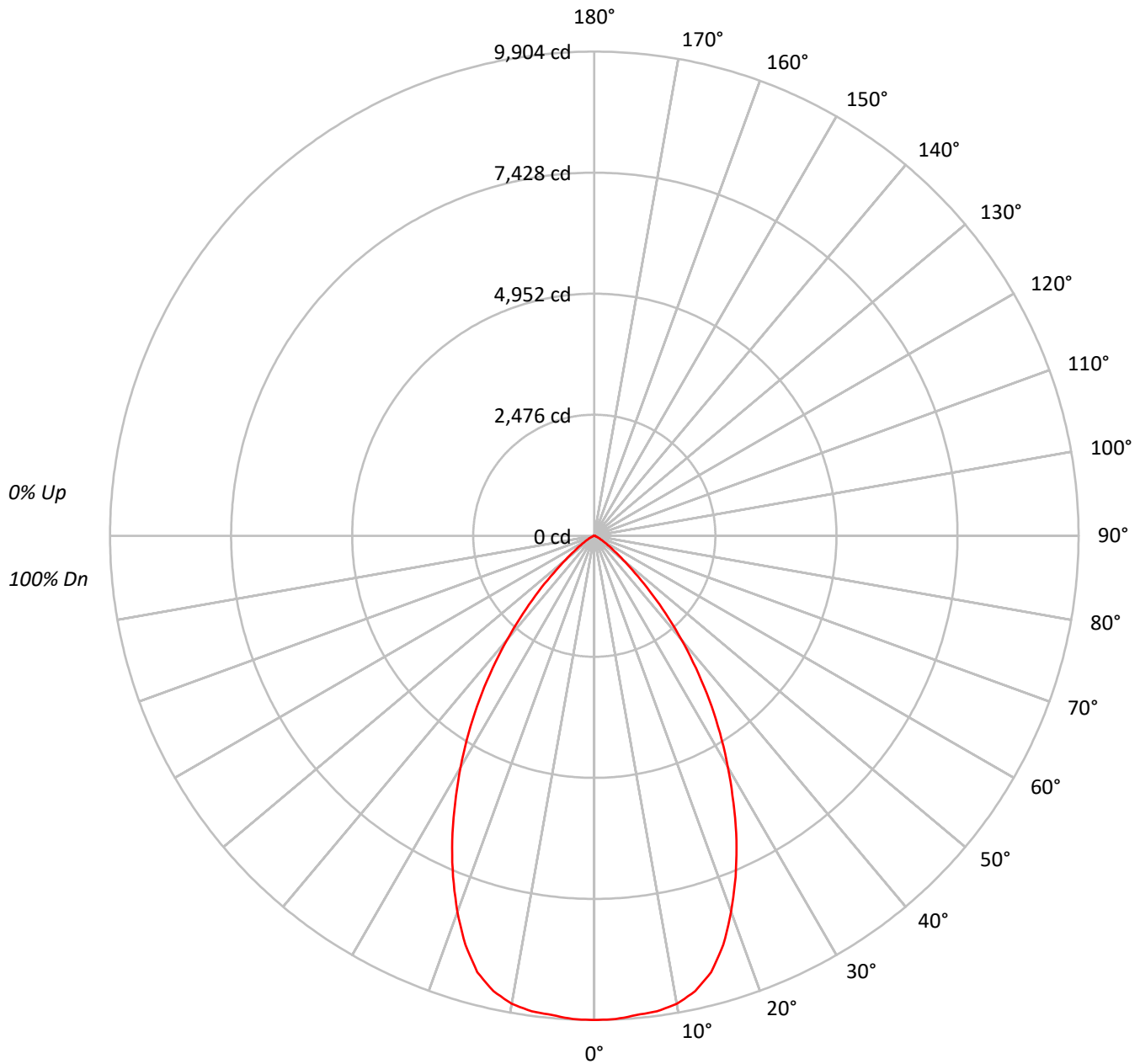


Downlight

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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°	578461
5°	577001
10°	576508
15°	558737
20°	508659
25°	443261
30°	368669
35°	292115
40°	210836
45°	133202
50°	69426
55°	36901
60°	19378
65°	10655
70°	4474
75°	4919
80°	3431
85°	2948

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 133202 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	936.7	8.6
10°-20°	2564.9	23.5
20°-30°	3135.2	28.7
30°-40°	2543.8	23.3
40°-50°	1267.6	11.6
50°-60°	353.6	3.2
60°-70°	80.3	0.7
70°-80°	20.9	0.2
80°-90°	5.4	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°	6636.7	60.8
0°-40°	9180.5	84.2
0°-60°	10801.7	99.0
0°-90°	10908.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10908.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9904	
5°	9842	937
15°	9241	2565
25°	6878	3135
35°	4097	2544
45°	1613	1268
55°	362	354
65°	77	80
75°	22	21
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9904.5
2.5°	9897.2
5°	9841.9
7.5°	9809.9
10°	9721.1
12.5°	9540.6
15°	9240.8
17.5°	8772.1
20°	8184.1
22.5°	7549.5
25°	6878.5
27.5°	6161.0
30°	5466.7
32.5°	4781.2
35°	4097.1
37.5°	3414.5
40°	2765.4
42.5°	2157.0
45°	1612.7
47.5°	1123.6
50°	764.1
52.5°	526.9
55°	362.4
57.5°	244.5
60°	165.9
62.5°	115.0
65°	77.1
67.5°	39.3
70°	26.2
72.5°	24.7
75°	21.8
77.5°	14.6
80°	10.2
82.5°	7.3
85°	4.4
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)