

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: P774749

Luminaire Tested: LD6D95BD010-EU6DR6570959030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774749
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-EU6DR6570959030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10312.5 lumens
Efficiency: N/A
Efficacy: 104.0 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 (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

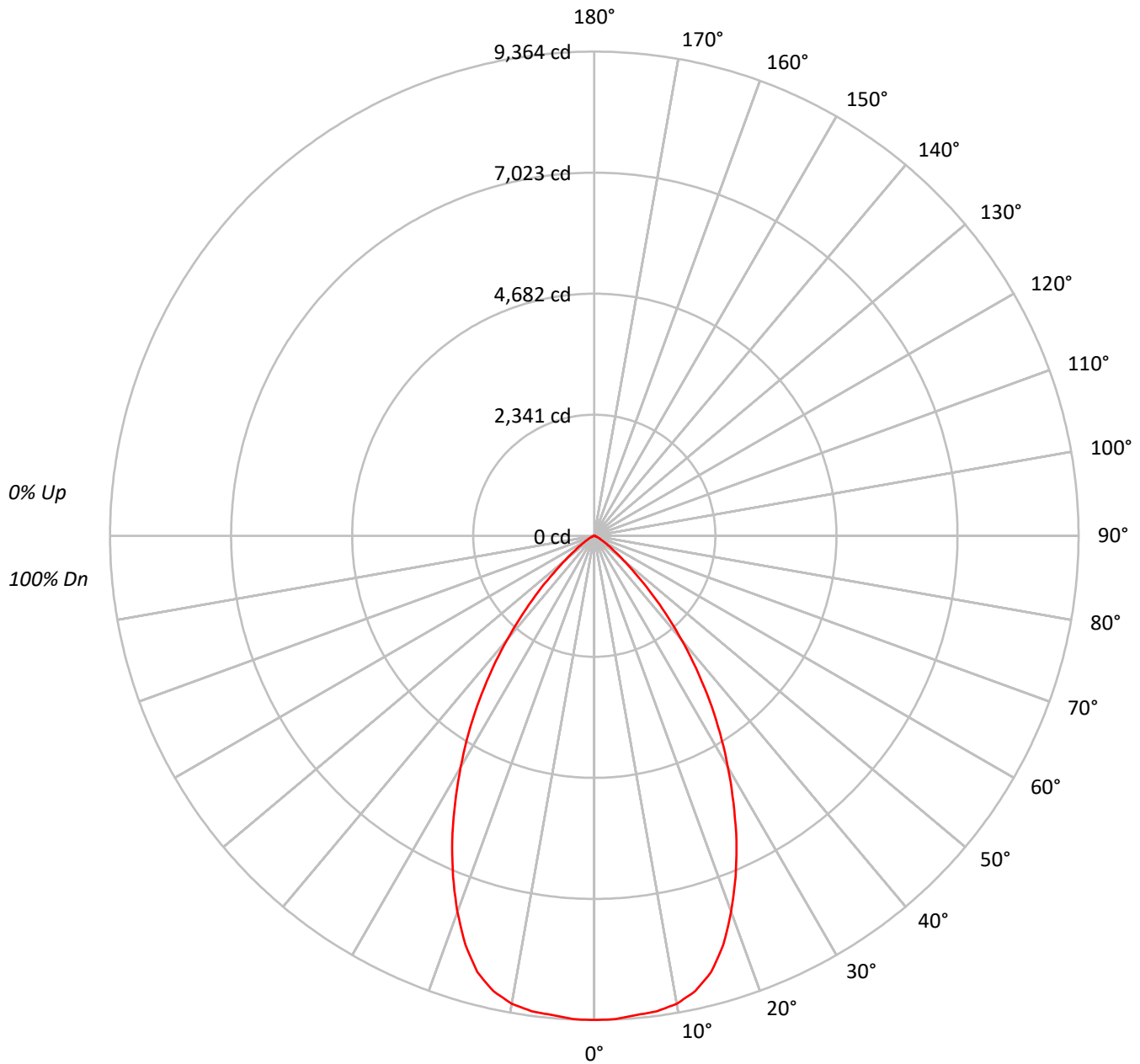


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	546865
5°	545483
10°	545017
15°	528215
20°	480877
25°	419050
30°	348531
35°	276166
40°	199316
45°	125925
50°	65637
55°	34885
60°	18327
65°	10074
70°	4235
75°	4648
80°	3229
85°	2747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 125925 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.5	8.6
10°-20°	2424.8	23.5
20°-30°	2963.9	28.7
30°-40°	2404.9	23.3
40°-50°	1198.4	11.6
50°-60°	334.3	3.2
60°-70°	76.0	0.7
70°-80°	19.8	0.2
80°-90°	5.1	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°	6274.2	60.8
0°-40°	8679.1	84.2
0°-60°	10211.7	99.0
0°-90°	10312.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10312.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9364	
5°	9304	885
15°	8736	2425
25°	6503	2964
35°	3873	2405
45°	1525	1198
55°	343	334
65°	73	76
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9363.5
2.5°	9356.6
5°	9304.3
7.5°	9274.0
10°	9190.1
12.5°	9019.5
15°	8736.0
17.5°	8293.0
20°	7737.1
22.5°	7137.2
25°	6502.8
27.5°	5824.5
30°	5168.1
32.5°	4520.1
35°	3873.4
37.5°	3228.0
40°	2614.3
42.5°	2039.2
45°	1524.6
47.5°	1062.2
50°	722.4
52.5°	498.1
55°	342.6
57.5°	231.2
60°	156.9
62.5°	108.7
65°	72.9
67.5°	37.2
70°	24.8
72.5°	23.4
75°	20.6
77.5°	13.8
80°	9.6
82.5°	6.9
85°	4.1
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)