

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: P774762

Luminaire Tested: LD6D95BD010-EU6DR6570959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774762
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-EU6DR6570959035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10421.1 lumens
Efficiency: N/A
Efficacy: 105.1 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

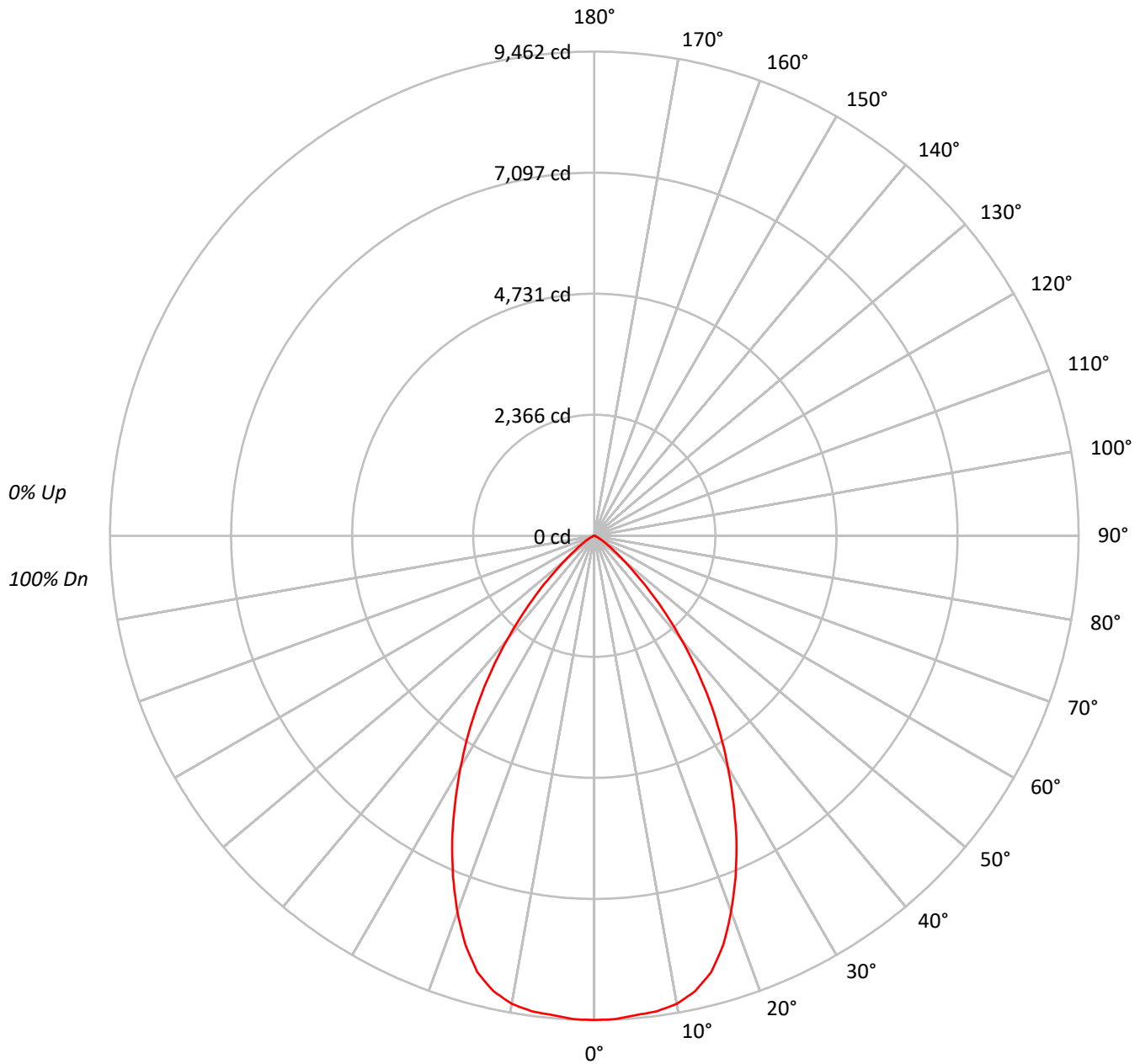


Downlight

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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	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°	552623
5°	551228
10°	550758
15°	533777
20°	485942
25°	423465
30°	352207
35°	279074
40°	201421
45°	127247
50°	66328
55°	35251
60°	18514
65°	10185
70°	4269
75°	4716
80°	3262
85°	2814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 127247 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	894.8	8.6
10°-20°	2450.3	23.5
20°-30°	2995.1	28.7
30°-40°	2430.2	23.3
40°-50°	1211.0	11.6
50°-60°	337.8	3.2
60°-70°	76.7	0.7
70°-80°	20.0	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°	6340.3	60.8
0°-40°	8770.5	84.2
0°-60°	10319.3	99.0
0°-90°	10421.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10421.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9462	
5°	9402	895
15°	8828	2450
25°	6571	2995
35°	3914	2430
45°	1541	1211
55°	346	338
65°	74	77
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9462.1
2.5°	9455.1
5°	9402.3
7.5°	9371.7
10°	9286.9
12.5°	9114.5
15°	8828.0
17.5°	8380.3
20°	7818.6
22.5°	7212.3
25°	6571.3
27.5°	5885.8
30°	5222.6
32.5°	4567.7
35°	3914.2
37.5°	3262.0
40°	2641.9
42.5°	2060.7
45°	1540.6
47.5°	1073.4
50°	730.0
52.5°	503.3
55°	346.2
57.5°	233.6
60°	158.5
62.5°	109.8
65°	73.7
67.5°	37.5
70°	25.0
72.5°	23.6
75°	20.9
77.5°	13.9
80°	9.7
82.5°	7.0
85°	4.2
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)