

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: P774764

Luminaire Tested: LD6D95BD010-EU6DR6570959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774764
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-EU6DR6570959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9902.4 lumens
Efficiency: N/A
Efficacy: 99.8 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

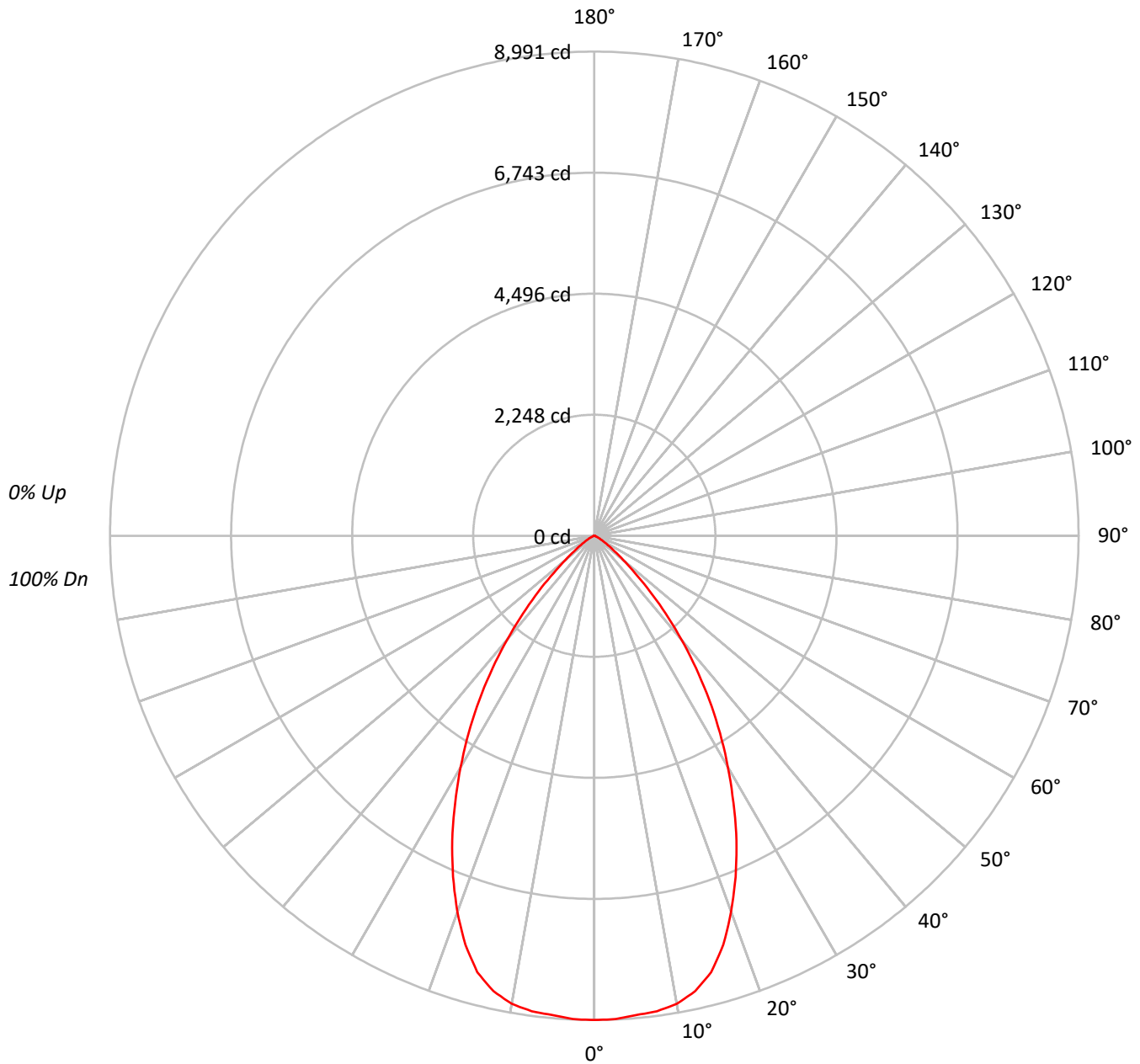


Downlight

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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°	525115
5°	523791
10°	523342
15°	507209
20°	461753
25°	402386
30°	334673
35°	265179
40°	191395
45°	120912
50°	63030
55°	33500
60°	17591
65°	9674
70°	4064
75°	4468
80°	3094
85°	2680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 120912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.3	8.6
10°-20°	2328.4	23.5
20°-30°	2846.1	28.7
30°-40°	2309.2	23.3
40°-50°	1150.7	11.6
50°-60°	321.0	3.2
60°-70°	72.9	0.7
70°-80°	19.0	0.2
80°-90°	4.8	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°	6024.7	60.8
0°-40°	8333.9	84.2
0°-60°	9805.6	99.0
0°-90°	9902.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9902.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8991	
5°	8934	850
15°	8389	2328
25°	6244	2846
35°	3719	2309
45°	1464	1151
55°	329	321
65°	70	73
75°	20	19
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8991.1
2.5°	8984.5
5°	8934.3
7.5°	8905.2
10°	8824.6
12.5°	8660.8
15°	8388.6
17.5°	7963.2
20°	7429.4
22.5°	6853.3
25°	6244.2
27.5°	5592.9
30°	4962.6
32.5°	4340.3
35°	3719.3
37.5°	3099.7
40°	2510.4
42.5°	1958.1
45°	1463.9
47.5°	1020.0
50°	693.7
52.5°	478.3
55°	329.0
57.5°	222.0
60°	150.6
62.5°	104.4
65°	70.0
67.5°	35.7
70°	23.8
72.5°	22.5
75°	19.8
77.5°	13.2
80°	9.2
82.5°	6.6
85°	4.0
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)