

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: P774777

Luminaire Tested: LD6D95BD010-EU6DR6570959040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774777
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-EU6DR6570959040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10365.3 lumens
Efficiency: N/A
Efficacy: 104.5 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

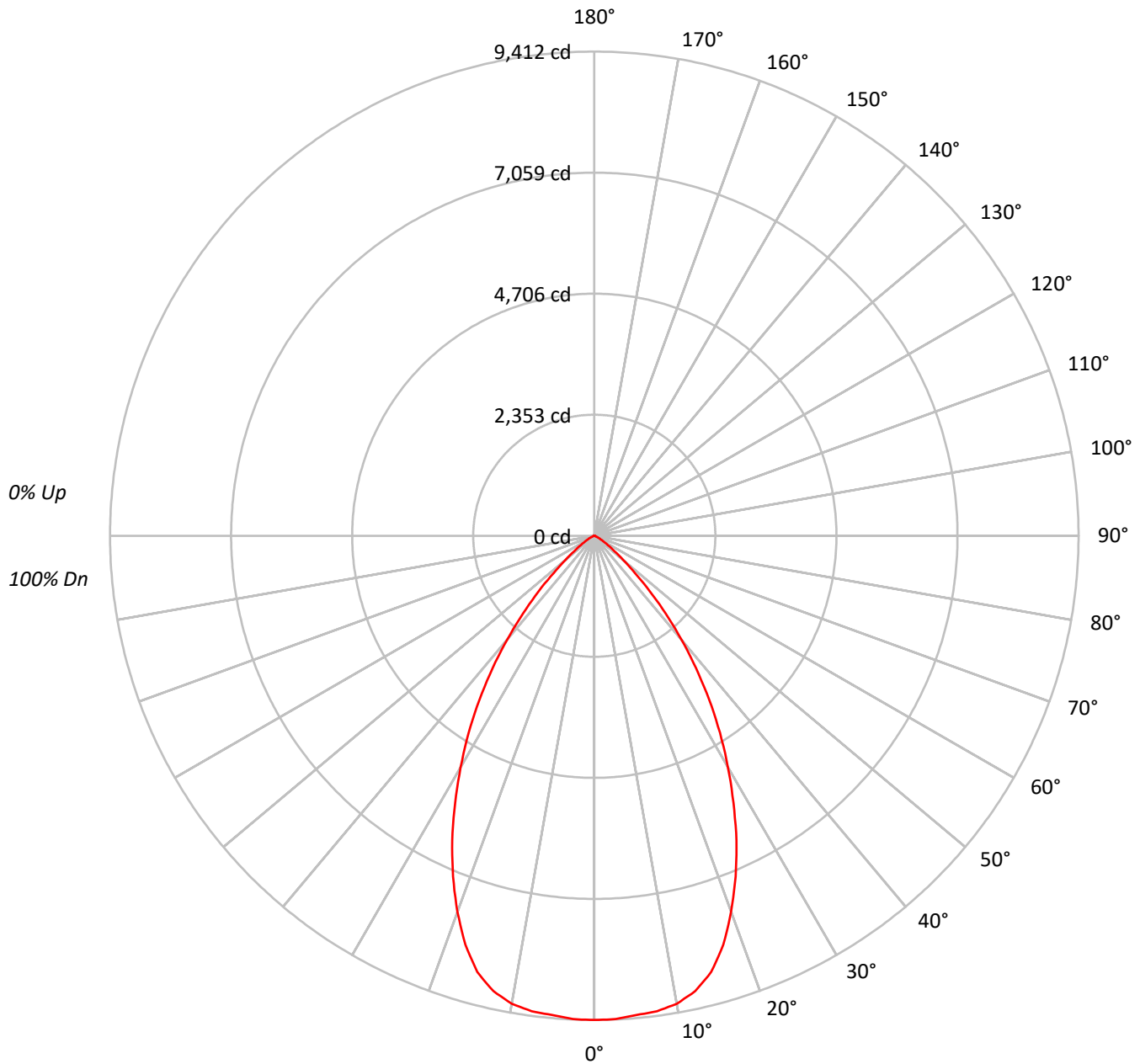


Downlight

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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°	549668
5°	548279
10°	547811
15°	530923
20°	483338
25°	421203
30°	350319
35°	277577
40°	200338
45°	126569
50°	65974
55°	35068
60°	18421
65°	10130
70°	4252
75°	4671
80°	3262
85°	2747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 126569 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	890.0	8.6
10°-20°	2437.2	23.5
20°-30°	2979.1	28.7
30°-40°	2417.2	23.3
40°-50°	1204.5	11.6
50°-60°	336.0	3.2
60°-70°	76.4	0.7
70°-80°	19.9	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°	6306.4	60.8
0°-40°	8723.6	84.2
0°-60°	10264.1	99.0
0°-90°	10365.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10365.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9412	
5°	9352	890
15°	8781	2437
25°	6536	2979
35°	3893	2417
45°	1532	1205
55°	344	336
65°	73	76
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9411.5
2.5°	9404.6
5°	9352.0
7.5°	9321.6
10°	9237.2
12.5°	9065.7
15°	8780.8
17.5°	8335.5
20°	7776.7
22.5°	7173.7
25°	6536.2
27.5°	5854.3
30°	5194.6
32.5°	4543.2
35°	3893.2
37.5°	3244.6
40°	2627.7
42.5°	2049.6
45°	1532.4
47.5°	1067.7
50°	726.1
52.5°	500.7
55°	344.4
57.5°	232.3
60°	157.7
62.5°	109.3
65°	73.3
67.5°	37.3
70°	24.9
72.5°	23.5
75°	20.7
77.5°	13.8
80°	9.7
82.5°	6.9
85°	4.1
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)