

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: P774738

Luminaire Tested: LD6D95BD010-EU6DR6570959027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774738
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-EU6DR6570959027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9511.7 lumens
Efficiency: N/A
Efficacy: 95.9 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

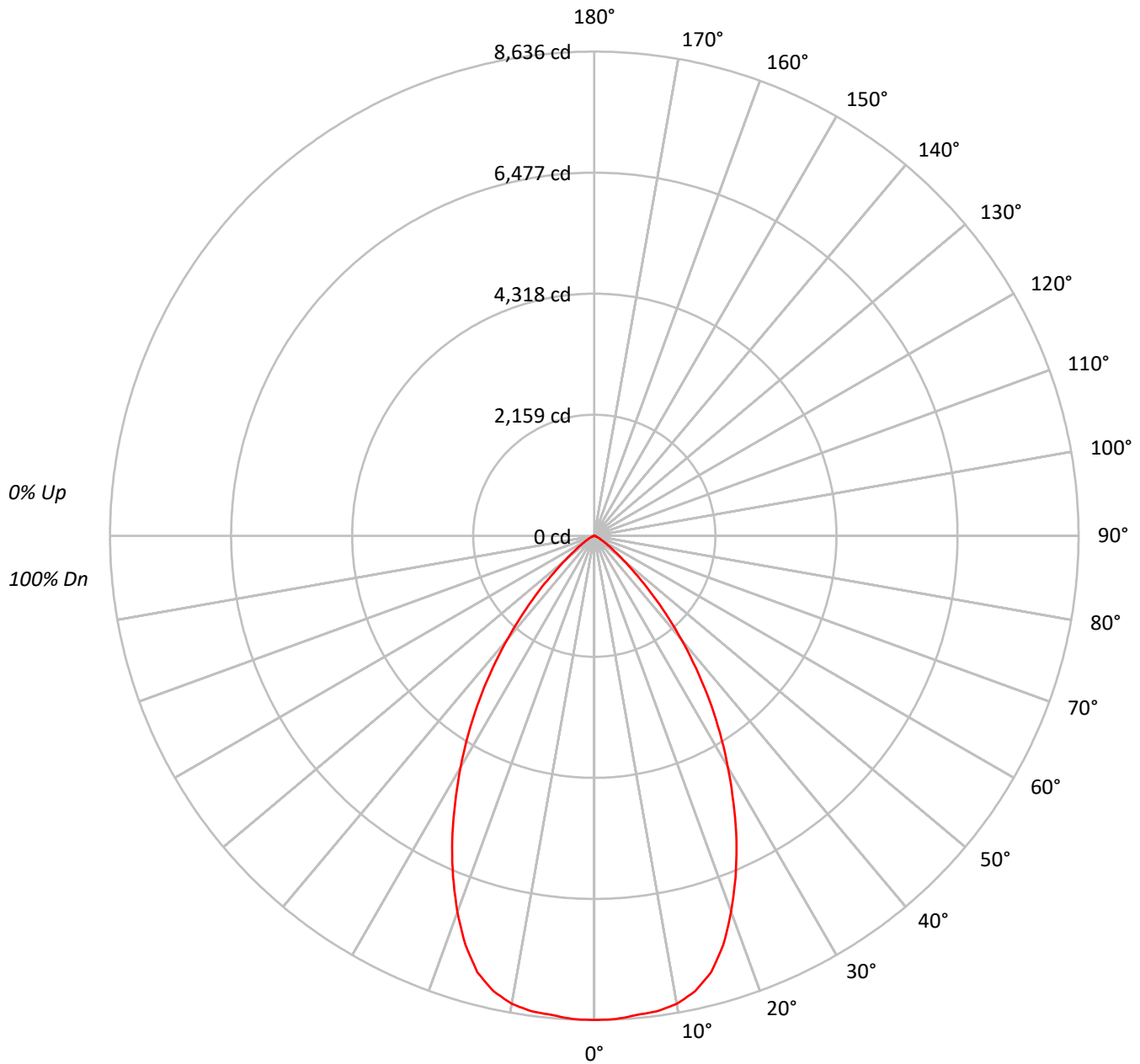


Downlight

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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°	504399
5°	503125
10°	502698
15°	487202
20°	443536
25°	386514
30°	321468
35°	254719
40°	183840
45°	116146
50°	60540
55°	32176
60°	16902
65°	9301
70°	3893
75°	4287
80°	2993
85°	2546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 116146 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	816.7	8.6
10°-20°	2236.5	23.5
20°-30°	2733.8	28.7
30°-40°	2218.1	23.3
40°-50°	1105.3	11.6
50°-60°	308.3	3.2
60°-70°	70.1	0.7
70°-80°	18.2	0.2
80°-90°	4.6	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°	5787.0	60.8
0°-40°	8005.2	84.2
0°-60°	9418.8	99.0
0°-90°	9511.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9511.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8636	
5°	8582	817
15°	8058	2237
25°	5998	2734
35°	3573	2218
45°	1406	1105
55°	316	308
65°	67	70
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8636.4
2.5°	8630.1
5°	8581.8
7.5°	8553.9
10°	8476.5
12.5°	8319.1
15°	8057.7
17.5°	7649.0
20°	7136.3
22.5°	6583.0
25°	5997.9
27.5°	5372.2
30°	4766.8
32.5°	4169.1
35°	3572.6
37.5°	2977.4
40°	2411.3
42.5°	1880.8
45°	1406.2
47.5°	979.8
50°	666.3
52.5°	459.4
55°	316.0
57.5°	213.2
60°	144.7
62.5°	100.3
65°	67.3
67.5°	34.3
70°	22.8
72.5°	21.6
75°	19.0
77.5°	12.7
80°	8.9
82.5°	6.3
85°	3.8
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)