

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: P774751

Luminaire Tested: LD6D95BD010-EU6DR6570959030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774751
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-EU6DR6570959030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9799.2 lumens
Efficiency: N/A
Efficacy: 98.8 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

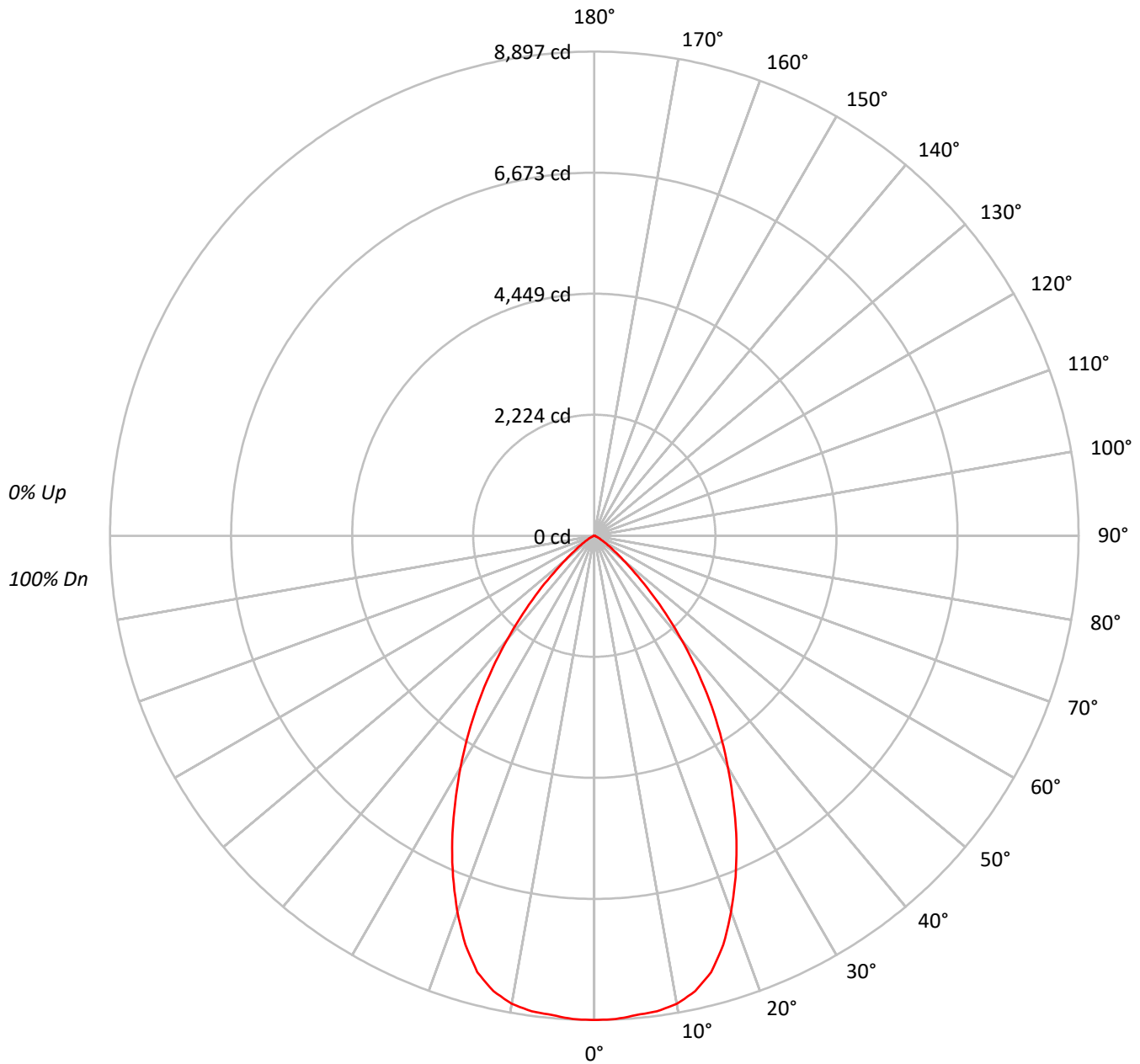


Downlight

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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
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°	519643
5°	518333
10°	517891
15°	501925
20°	456942
25°	398191
30°	331186
35°	262419
40°	189397
45°	119656
50°	62367
55°	33154
60°	17416
65°	9577
70°	4013
75°	4423
80°	3094
85°	2613

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 119656 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.4	8.6
10°-20°	2304.1	23.5
20°-30°	2816.4	28.7
30°-40°	2285.2	23.3
40°-50°	1138.7	11.6
50°-60°	317.6	3.2
60°-70°	72.2	0.7
70°-80°	18.8	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°	5961.9	60.8
0°-40°	8247.1	84.2
0°-60°	9703.5	99.0
0°-90°	9799.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9799.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8897	
5°	8841	841
15°	8301	2304
25°	6179	2816
35°	3681	2285
45°	1449	1139
55°	326	318
65°	69	72
75°	20	19
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8897.4
2.5°	8890.9
5°	8841.2
7.5°	8812.4
10°	8732.7
12.5°	8570.5
15°	8301.2
17.5°	7880.2
20°	7352.0
22.5°	6781.9
25°	6179.1
27.5°	5534.6
30°	4910.9
32.5°	4295.1
35°	3680.6
37.5°	3067.3
40°	2484.2
42.5°	1937.7
45°	1448.7
47.5°	1009.4
50°	686.4
52.5°	473.3
55°	325.6
57.5°	219.7
60°	149.1
62.5°	103.3
65°	69.3
67.5°	35.3
70°	23.5
72.5°	22.2
75°	19.6
77.5°	13.1
80°	9.2
82.5°	6.5
85°	3.9
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)