

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: P774566

Luminaire Tested: LD6D95BD010-EU6DR5570959024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5570959024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9678.4 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' 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

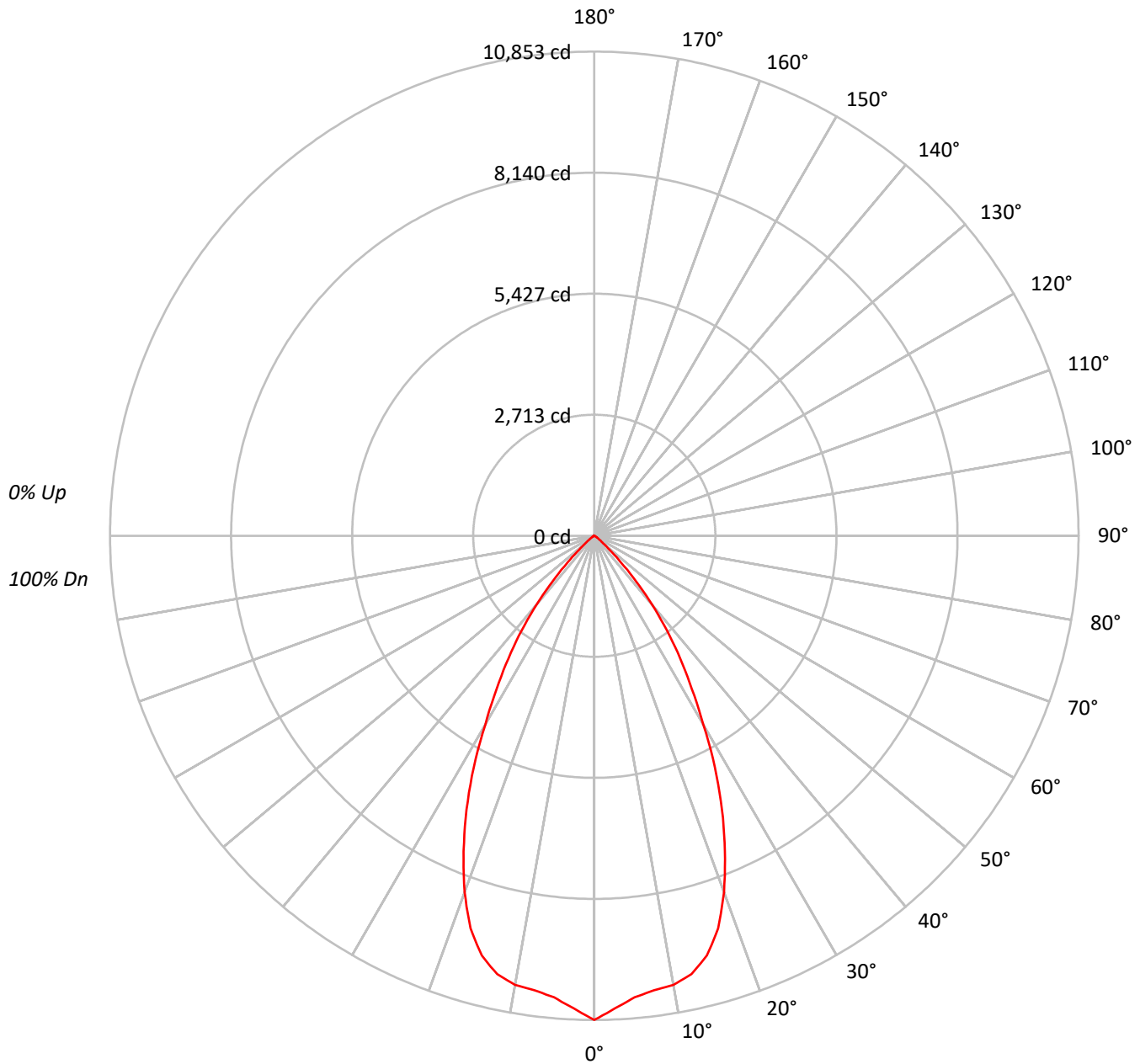


Downlight

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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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1185785
5°	1138689
10°	1134403
15°	1101809
20°	987924
25°	816477
30°	616750
35°	447192
40°	286187
45°	130707
50°	42750
55°	18439
60°	7932
65°	1034
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 130707 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	987.9	10.2
10°-20°	2696.2	27.9
20°-30°	3072.6	31.7
30°-40°	2091.7	21.6
40°-50°	720.8	7.4
50°-60°	99.6	1.0
60°-70°	9.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	6756.7	69.8
0°-40°	8848.4	91.4
0°-60°	9668.8	99.9
0°-90°	9678.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9678.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10853	
5°	10382	988
15°	9741	2696
25°	6773	3073
35°	3353	2092
45°	846	721
55°	97	100
65°	4	10
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10852.8
2.5°	10604.0
5°	10382.1
7.5°	10273.2
10°	10224.8
12.5°	10063.4
15°	9740.6
17.5°	9228.2
20°	8496.6
22.5°	7652.1
25°	6772.6
27.5°	5856.7
30°	4888.5
32.5°	4068.1
35°	3352.7
37.5°	2672.2
40°	2006.5
42.5°	1390.6
45°	845.9
47.5°	455.9
50°	251.5
52.5°	149.3
55°	96.8
57.5°	61.9
60°	36.3
62.5°	16.1
65°	4.0
67.5°	1.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)