

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: P774783

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7774.4 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (A_{in}): 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

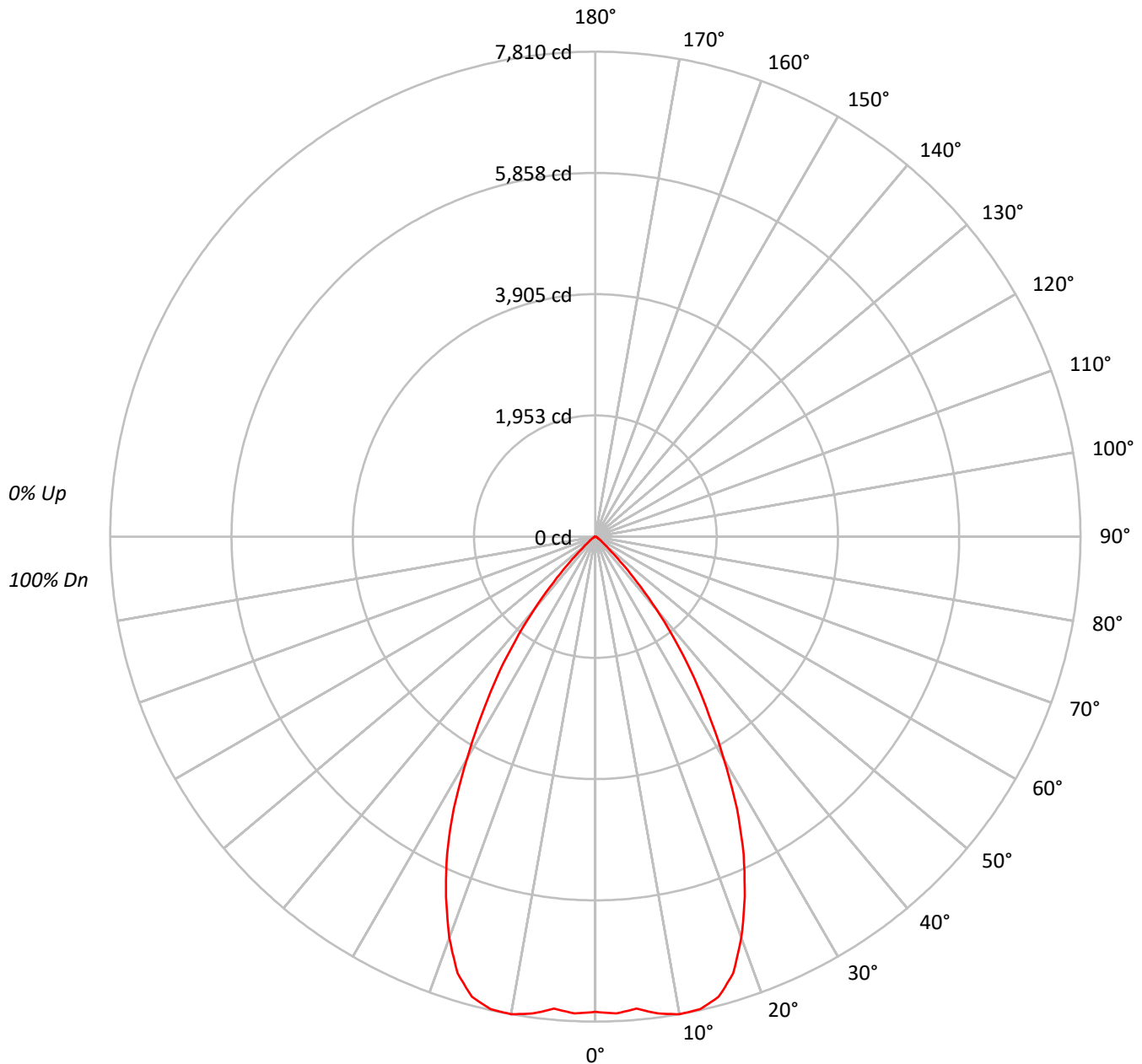


Downlight

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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	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	836326
5°	837019
10°	866490
15°	867921
20°	799062
25°	680839
30°	521206
35°	368230
40°	217354
45°	88245
50°	31990
55°	17811
60°	10227
65°	5636
70°	5910
75°	4601
80°	4782
85°	4137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88245 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.1	9.5
10°-20°	2126.1	27.3
20°-30°	2550.9	32.8
30°-40°	1714.3	22.1
40°-50°	513.2	6.6
50°-60°	90.5	1.2
60°-70°	25.8	0.3
70°-80°	12.6	0.2
80°-90°	4.0	0.1
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°	5414.0	69.6
0°-40°	7128.3	91.7
0°-60°	7732.0	99.5
0°-90°	7774.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7774.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7654	
5°	7632	737
15°	7673	2126
25°	5648	2551
35°	2761	1714
45°	571	513
55°	94	91
65°	22	26
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7654.4
2.5°	7687.1
5°	7631.6
7.5°	7746.9
10°	7810.0
12.5°	7794.7
15°	7672.9
17.5°	7374.9
20°	6872.3
22.5°	6280.6
25°	5647.5
27.5°	4932.9
30°	4131.2
32.5°	3404.6
35°	2760.7
37.5°	2124.4
40°	1523.9
42.5°	995.3
45°	571.1
47.5°	302.4
50°	188.2
52.5°	130.5
55°	93.5
57.5°	67.4
60°	46.8
62.5°	30.5
65°	21.8
67.5°	19.6
70°	18.5
72.5°	14.1
75°	10.9
77.5°	9.8
80°	7.6
82.5°	5.4
85°	3.3
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)