

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: P756615

Luminaire Tested: LD4D95BD010-EU4DR6070959035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7025.4 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

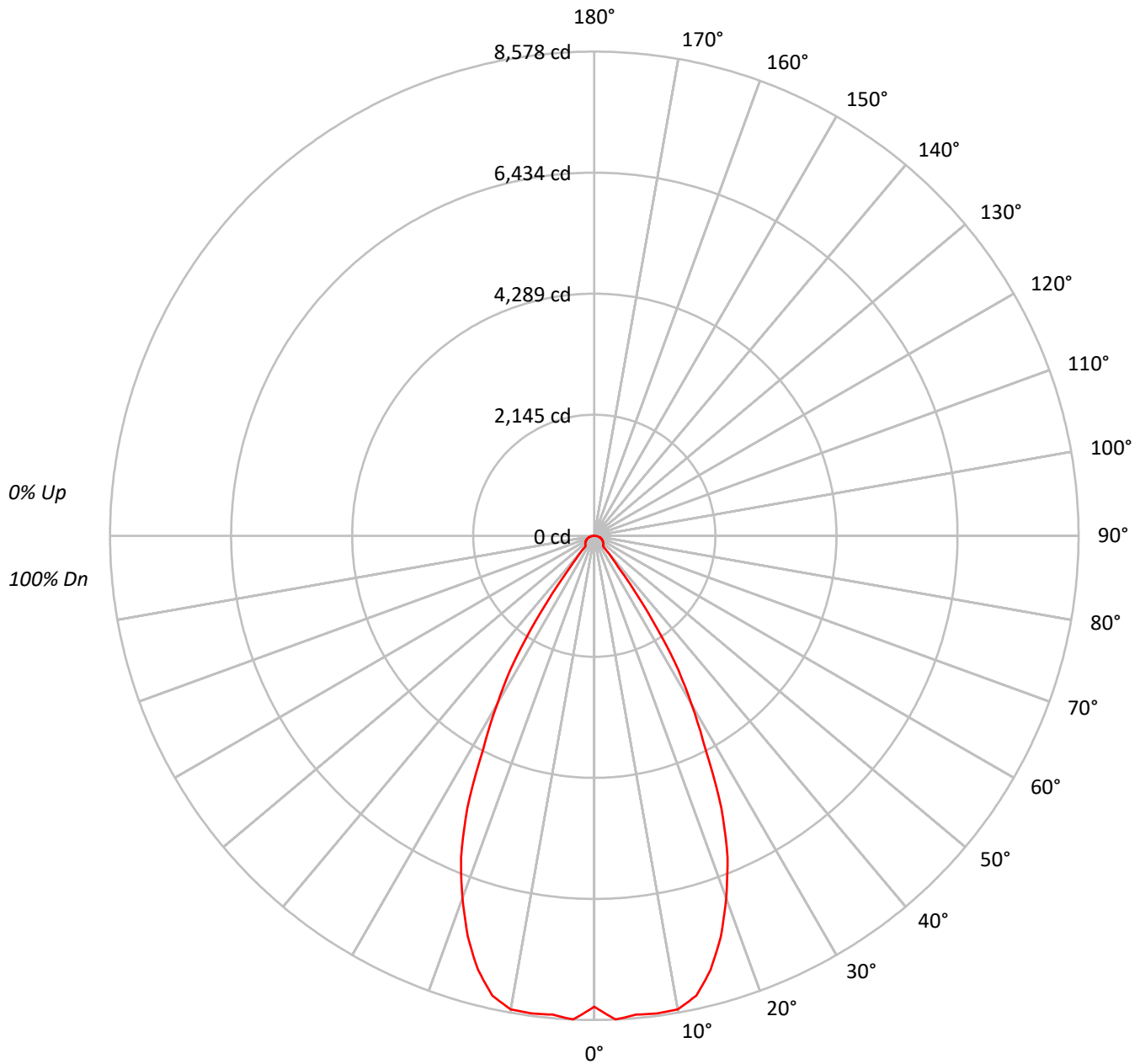


Downlight

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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					0
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	108	105	111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95	105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86	100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80	95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74	91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69	87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65	83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61	79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57	75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54	72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	911628
5°	934052
10°	945329
15°	900554
20°	794016
25°	642213
30°	434406
35°	217681
40°	35315
45°	34566
50°	35254
55°	35793
60°	36777
65°	37617
70°	38495
75°	38965
80°	37564
85°	31341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 38965 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.9	11.6
10°-20°	2202.2	31.3
20°-30°	2369.3	33.7
30°-40°	1029.9	14.7
40°-50°	173.0	2.5
50°-60°	168.2	2.4
60°-70°	143.9	2.0
70°-80°	96.2	1.4
80°-90°	28.8	0.4
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°	5385.5	76.7
0°-40°	6415.4	91.3
0°-60°	6756.5	96.2
0°-90°	7025.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7025.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8344	
5°	8516	814
15°	7961	2202
25°	5327	2369
35°	1632	1030
45°	224	173
55°	188	168
65°	146	144
75°	92	96
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8343.6
2.5°	8578.1
5°	8516.3
7.5°	8535.8
10°	8520.6
12.5°	8344.7
15°	7961.4
17.5°	7446.7
20°	6828.9
22.5°	6167.6
25°	5327.1
27.5°	4260.8
30°	3443.2
32.5°	2653.8
35°	1632.0
37.5°	698.2
40°	247.6
42.5°	228.0
45°	223.7
47.5°	216.1
50°	207.4
52.5°	197.6
55°	187.9
57.5°	178.1
60°	168.3
62.5°	157.4
65°	145.5
67.5°	133.6
70°	120.5
72.5°	106.4
75°	92.3
77.5°	76.0
80°	59.7
82.5°	42.3
85°	25.0
87.5°	8.7
90°	0.0



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— 0°-180°







(END OF REPORT)