

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: P756628

Luminaire Tested: LD4D95BD010-EU4DR6070959040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756628
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-EU4DR6070959040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7353.9 lumens
Efficiency: N/A
Efficacy: 74.1 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

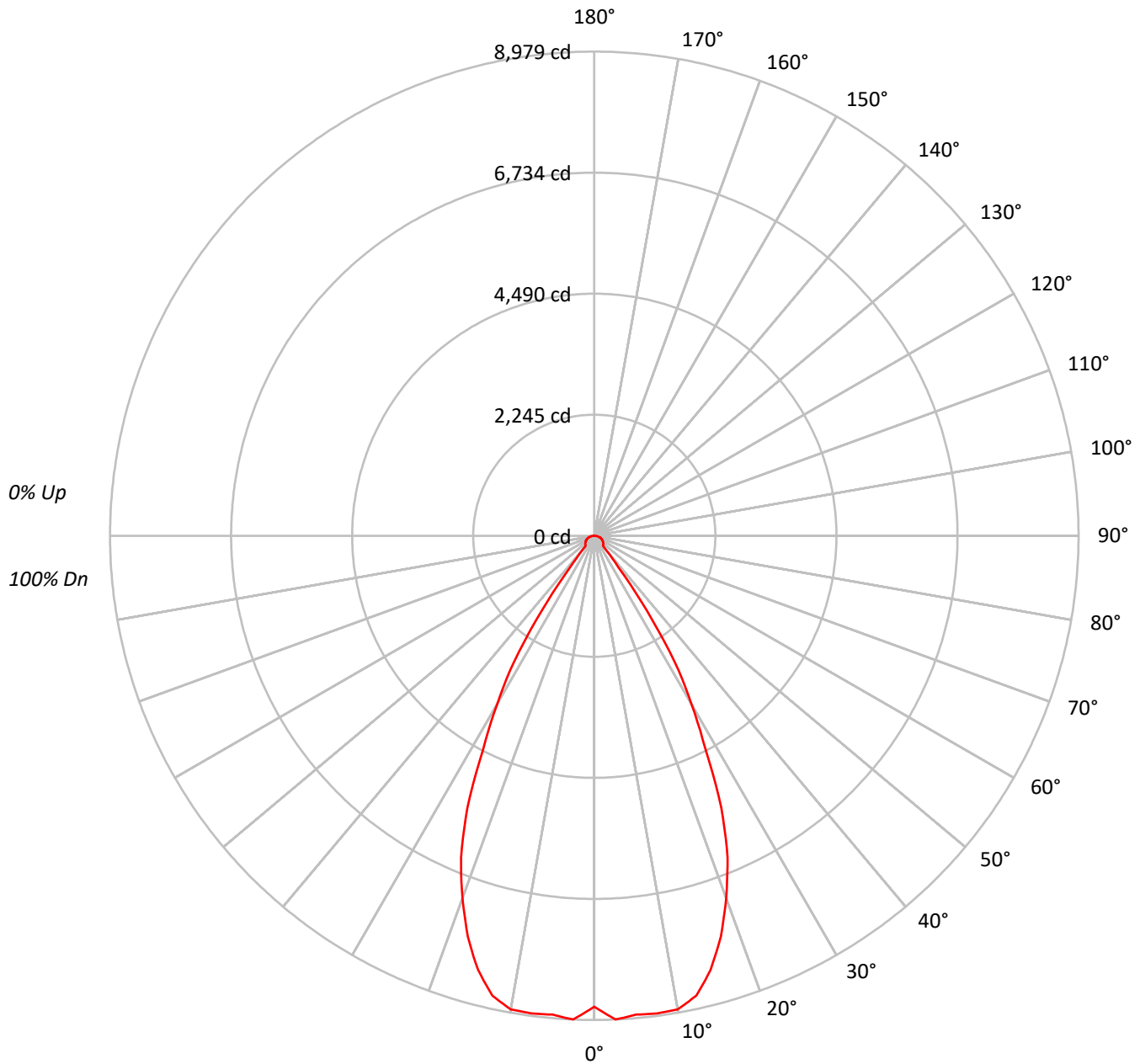


Downlight

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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					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	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°	954251
5°	977715
10°	989530
15°	942656
20°	831130
25°	672244
30°	454718
35°	227858
40°	36955
45°	36173
50°	36903
55°	37450
60°	38503
65°	39375
70°	40315
75°	40780
80°	39325
85°	32720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 40780 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.0	11.6
10°-20°	2305.1	31.3
20°-30°	2480.1	33.7
30°-40°	1078.0	14.7
40°-50°	181.1	2.5
50°-60°	176.1	2.4
60°-70°	150.6	2.0
70°-80°	100.8	1.4
80°-90°	30.1	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°	5637.2	76.7
0°-40°	6715.3	91.3
0°-60°	7072.4	96.2
0°-90°	7353.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7353.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8734	
5°	8914	852
15°	8334	2305
25°	5576	2480
35°	1708	1078
45°	234	181
55°	197	176
65°	152	151
75°	97	101
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8733.7
2.5°	8979.2
5°	8914.4
7.5°	8934.9
10°	8919.0
12.5°	8734.8
15°	8333.6
17.5°	7794.8
20°	7148.1
22.5°	6455.9
25°	5576.2
27.5°	4460.0
30°	3604.2
32.5°	2777.9
35°	1708.3
37.5°	730.8
40°	259.1
42.5°	238.7
45°	234.1
47.5°	226.2
50°	217.1
52.5°	206.9
55°	196.6
57.5°	186.4
60°	176.2
62.5°	164.8
65°	152.3
67.5°	139.8
70°	126.2
72.5°	111.4
75°	96.6
77.5°	79.6
80°	62.5
82.5°	44.3
85°	26.1
87.5°	9.1
90°	0.0



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— 0°-180°







(END OF REPORT)