

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: P744618

Luminaire Tested: LD4D20D010-EU4DR6020359040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744618
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: LD4D20D010-EU4DR6020359040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

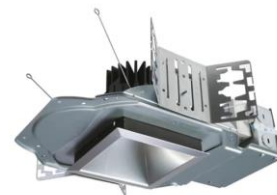
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2106.4 lumens
Efficiency: N/A
Efficacy: 91.2 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): 23.1
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



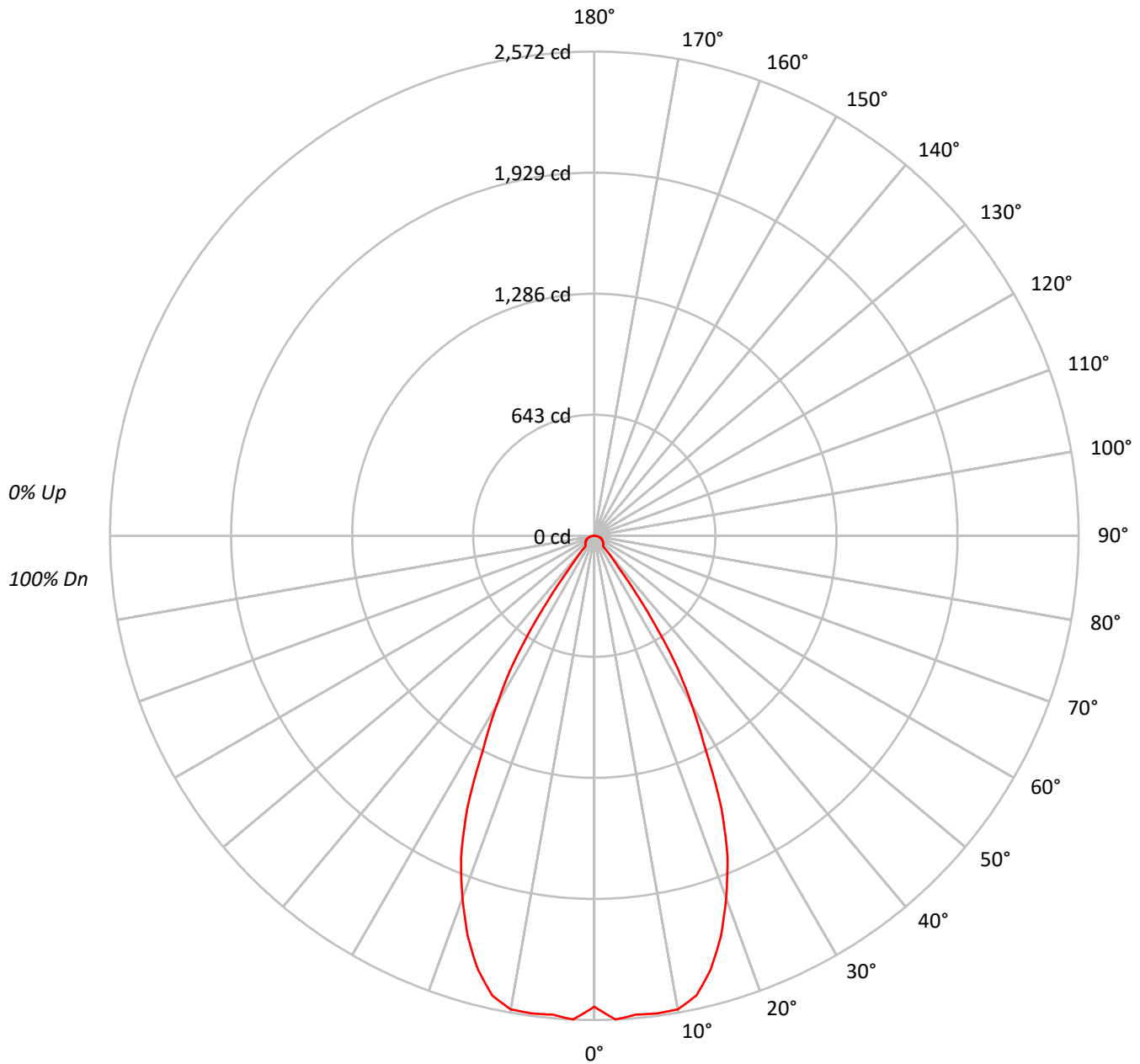
Downlight



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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°	273327
5°	280052
10°	283434
15°	270006
20°	238069
25°	192552
30°	130239
35°	65264
40°	10597
45°	10368
50°	10573
55°	10725
60°	11035
65°	11272
70°	11564
75°	11694
80°	11263
85°	9402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 11694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.0	11.6
10°-20°	660.3	31.3
20°-30°	710.4	33.7
30°-40°	308.8	14.7
40°-50°	51.9	2.5
50°-60°	50.4	2.4
60°-70°	43.1	2.0
70°-80°	28.9	1.4
80°-90°	8.6	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°	1614.7	76.7
0°-40°	1923.5	91.3
0°-60°	2025.8	96.2
0°-90°	2106.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2106.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2502	
5°	2553	244
15°	2387	660
25°	1597	710
35°	489	309
45°	67	52
55°	56	50
65°	44	43
75°	28	29
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2501.6
2.5°	2572.0
5°	2553.4
7.5°	2559.3
10°	2554.7
12.5°	2502.0
15°	2387.0
17.5°	2232.7
20°	2047.5
22.5°	1849.2
25°	1597.2
27.5°	1277.5
30°	1032.3
32.5°	795.7
35°	489.3
37.5°	209.4
40°	74.3
42.5°	68.4
45°	67.1
47.5°	64.8
50°	62.2
52.5°	59.2
55°	56.3
57.5°	53.4
60°	50.5
62.5°	47.2
65°	43.6
67.5°	40.0
70°	36.2
72.5°	31.9
75°	27.7
77.5°	22.8
80°	17.9
82.5°	12.7
85°	7.5
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)