

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: P751142

Luminaire Tested: LD4D60D010-EU4DR6055659030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751142
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: LD4D60D010-EU4DR6055659030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4751.4 lumens
Efficiency: N/A
Efficacy: 73.8 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): 64.4
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

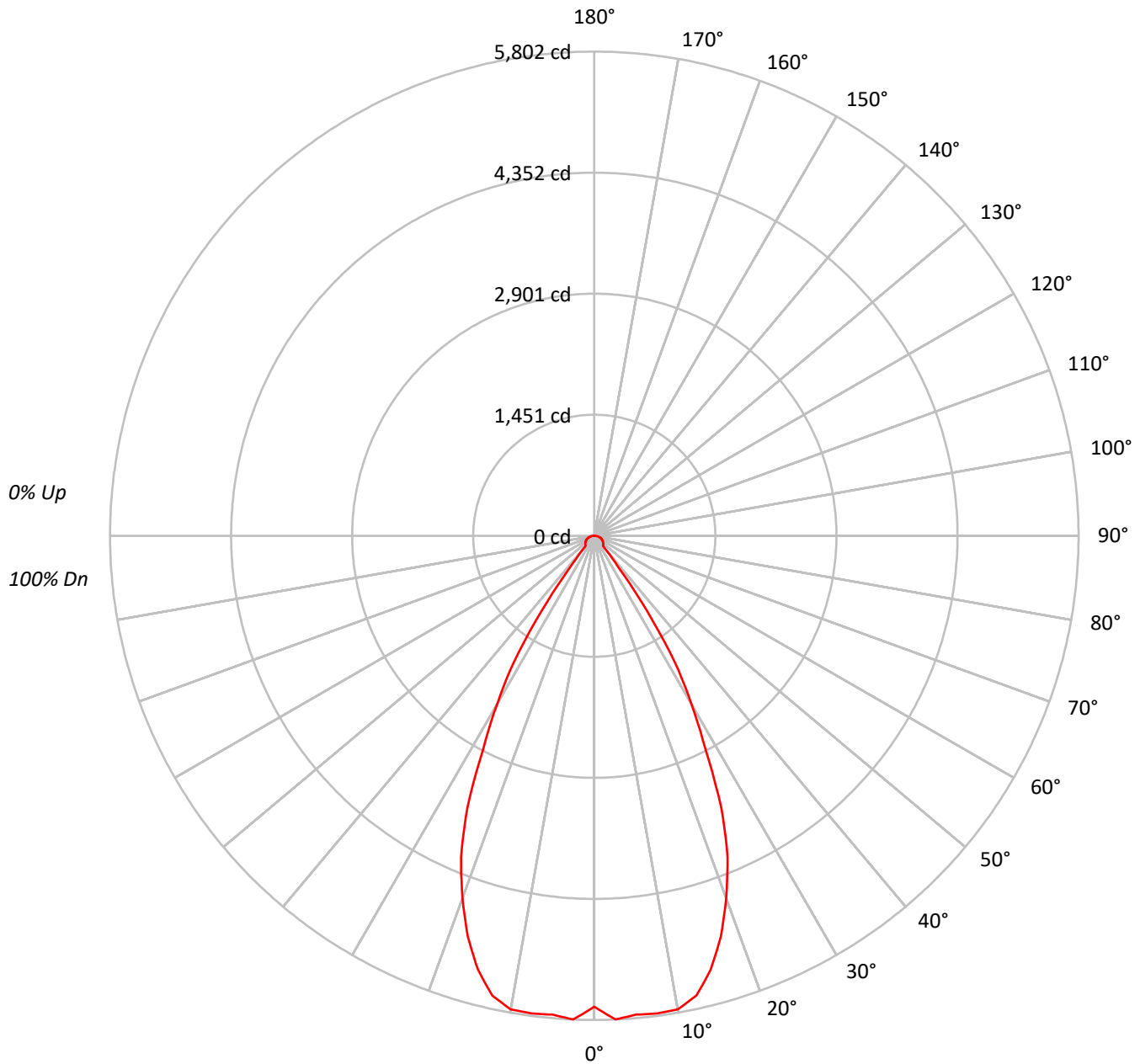


Downlight

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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°	616548
5°	631713
10°	639339
15°	609057
20°	537006
25°	434339
30°	293797
35°	147228
40°	23876
45°	23379
50°	23848
55°	24192
60°	24868
65°	25440
70°	26036
75°	26342
80°	25420
85°	21186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 26342 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.5	11.6
10°-20°	1489.4	31.3
20°-30°	1602.4	33.7
30°-40°	696.5	14.7
40°-50°	117.0	2.5
50°-60°	113.7	2.4
60°-70°	97.3	2.0
70°-80°	65.1	1.4
80°-90°	19.5	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°	3642.3	76.7
0°-40°	4338.8	91.3
0°-60°	4569.5	96.2
0°-90°	4751.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4751.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5643	
5°	5760	550
15°	5384	1489
25°	3603	1602
35°	1104	697
45°	151	117
55°	127	114
65°	98	97
75°	62	65
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5642.9
2.5°	5801.6
5°	5759.7
7.5°	5772.9
10°	5762.6
12.5°	5643.7
15°	5384.4
17.5°	5036.3
20°	4618.5
22.5°	4171.2
25°	3602.8
27.5°	2881.7
30°	2328.7
32.5°	1794.8
35°	1103.8
37.5°	472.2
40°	167.4
42.5°	154.2
45°	151.3
47.5°	146.1
50°	140.3
52.5°	133.7
55°	127.0
57.5°	120.4
60°	113.8
62.5°	106.5
65°	98.4
67.5°	90.3
70°	81.5
72.5°	72.0
75°	62.4
77.5°	51.4
80°	40.4
82.5°	28.6
85°	16.9
87.5°	5.9
90°	0.0



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— 0°-180°







(END OF REPORT)