

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: P751337

Luminaire Tested: LD4D60D010-EU4DR7055659050-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR7055659050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3764.4 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): 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

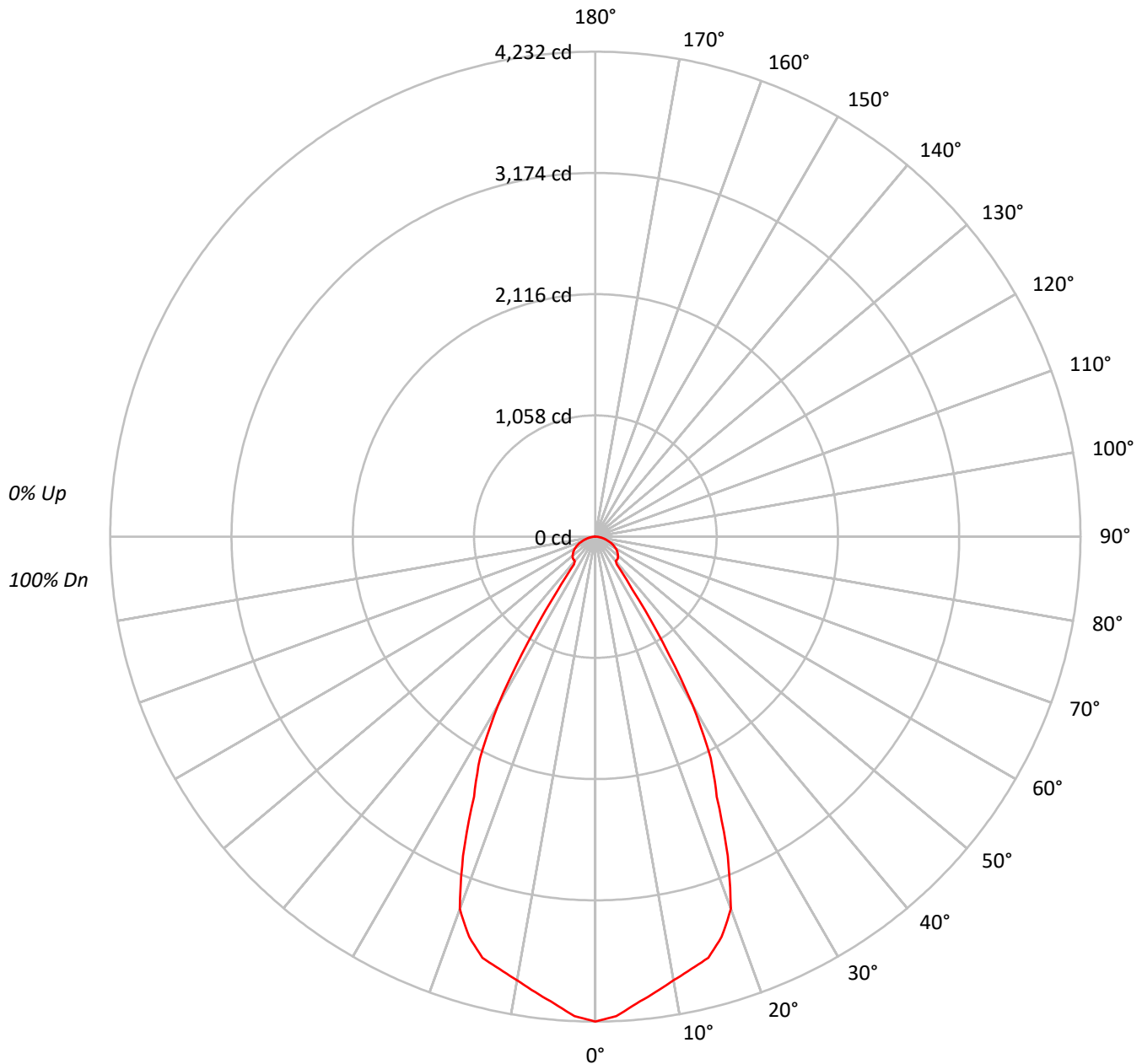


Downlight

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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	112	109	106	103	110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91	103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82	98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75	92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69	87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64	83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59	79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56	75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52	72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49	69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	462424
5°	448682
10°	436185
15°	430459
20°	401955
25°	301968
30°	213469
35°	75615
40°	39765
45°	42353
50°	43855
55°	44670
60°	44950
65°	44002
70°	41529
75°	38458
80°	34166
85°	27705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 44961 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.9	10.3
10°-20°	1058.4	28.1
20°-30°	1165.7	31.0
30°-40°	445.4	11.8
40°-50°	210.3	5.6
50°-60°	209.1	5.6
60°-70°	167.4	4.4
70°-80°	96.2	2.6
80°-90°	26.2	0.7
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°	2610.0	69.3
0°-40°	3055.3	81.2
0°-60°	3474.7	92.3
0°-90°	3764.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3764.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4232	
5°	4091	386
15°	3806	1058
25°	2505	1166
35°	567	445
45°	274	210
55°	234	209
65°	170	167
75°	91	96
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4232.3
2.5°	4188.1
5°	4090.9
7.5°	4009.9
10°	3931.5
12.5°	3865.1
15°	3805.5
17.5°	3661.4
20°	3457.0
22.5°	3016.1
25°	2504.8
27.5°	2180.5
30°	1692.0
32.5°	1092.9
35°	566.9
37.5°	306.2
40°	278.8
42.5°	276.8
45°	274.1
47.5°	268.0
50°	258.0
52.5°	246.6
55°	234.5
57.5°	221.1
60°	205.7
62.5°	188.3
65°	170.2
67.5°	150.1
70°	130.0
72.5°	109.9
75°	91.1
77.5°	71.7
80°	54.3
82.5°	38.2
85°	22.1
87.5°	8.7
90°	0.0



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— 0°-180°







(END OF REPORT)