

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: P750726

Luminaire Tested: LD4D60D010-EU4DR3555659024-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR3555659024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4262.5 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

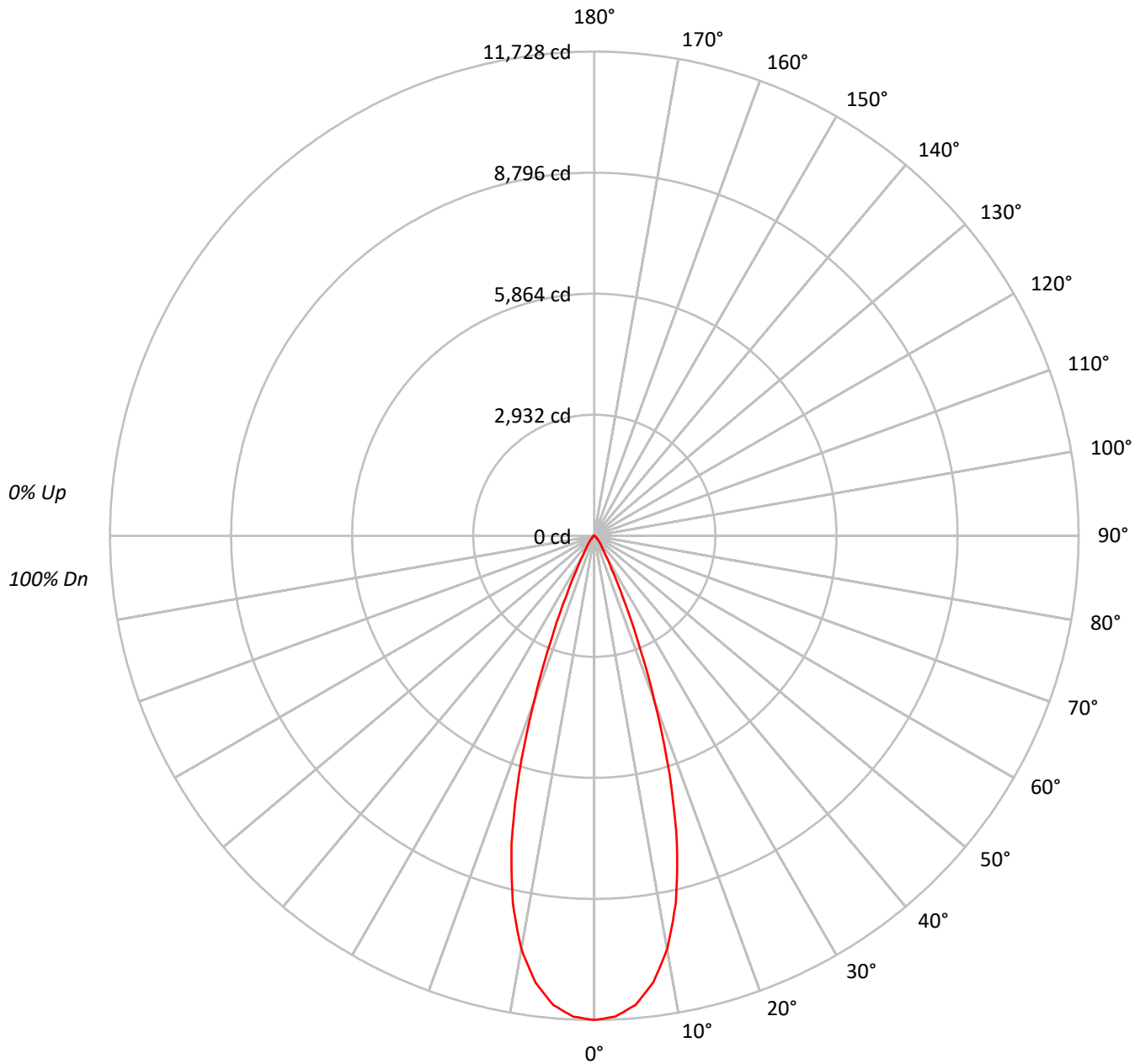


Downlight

TEST NUMBER: P750726

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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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	115	112	110	108	112	110	108	107		106	105	103			103	101	100			96
2	110	106	103	101	108	105	102	99		102	99	97			99	97	95			92
3	106	101	97	94	105	100	96	93		97	95	92			95	93	91			88
4	103	97	92	89	101	96	92	89		94	90	88			92	89	87			84
5	99	93	88	85	98	92	87	84		90	86	84			89	85	83			81
6	96	89	84	81	94	88	84	81		87	83	80			85	82	80			78
7	93	85	81	78	91	85	80	77		84	80	77			83	79	77			75
8	90	82	78	74	88	82	77	74		81	77	74			80	76	74			72
9	87	79	75	72	86	79	75	72		78	74	71			77	74	71			70
10	84	77	72	69	83	76	72	69		76	72	69			75	71	69			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1281443
5°	1251329
10°	1127780
15°	875341
20°	496474
25°	193155
30°	72065
35°	39495
40°	25816
45°	15714
50°	9995
55°	7067
60°	5179
65°	2818
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15714 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1049.3	24.6
10°-20°	2048.7	48.1
20°-30°	835.5	19.6
30°-40°	199.9	4.7
40°-50°	83.3	2.0
50°-60°	34.5	0.8
60°-70°	10.8	0.3
70°-80°	0.2	0.0
80°-90°	0.2	0.0
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°	3933.5	92.3
0°-40°	4133.5	97.0
0°-60°	4251.3	99.7
0°-90°	4262.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4262.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11728	
5°	11409	###
15°	7738	2049
25°	1602	836
35°	296	200
45°	102	83
55°	37	35
65°	11	11
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11728.3
2.5°	11657.9
5°	11409.1
7.5°	10912.8
10°	10165.1
12.5°	9112.3
15°	7738.5
17.5°	6058.2
20°	4269.9
22.5°	2722.8
25°	1602.2
27.5°	905.7
30°	571.2
32.5°	401.0
35°	296.1
37.5°	229.0
40°	181.0
42.5°	139.4
45°	101.7
47.5°	76.1
50°	58.8
52.5°	46.7
55°	37.1
57.5°	30.1
60°	23.7
62.5°	17.3
65°	10.9
67.5°	3.8
70°	0.6
72.5°	0.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)