

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: P750795

Luminaire Tested: LD4D60D010-EU4DR3555659050-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750795
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-EU4DR3555659050-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5995.8 lumens
Efficiency: N/A
Efficacy: 93.1 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

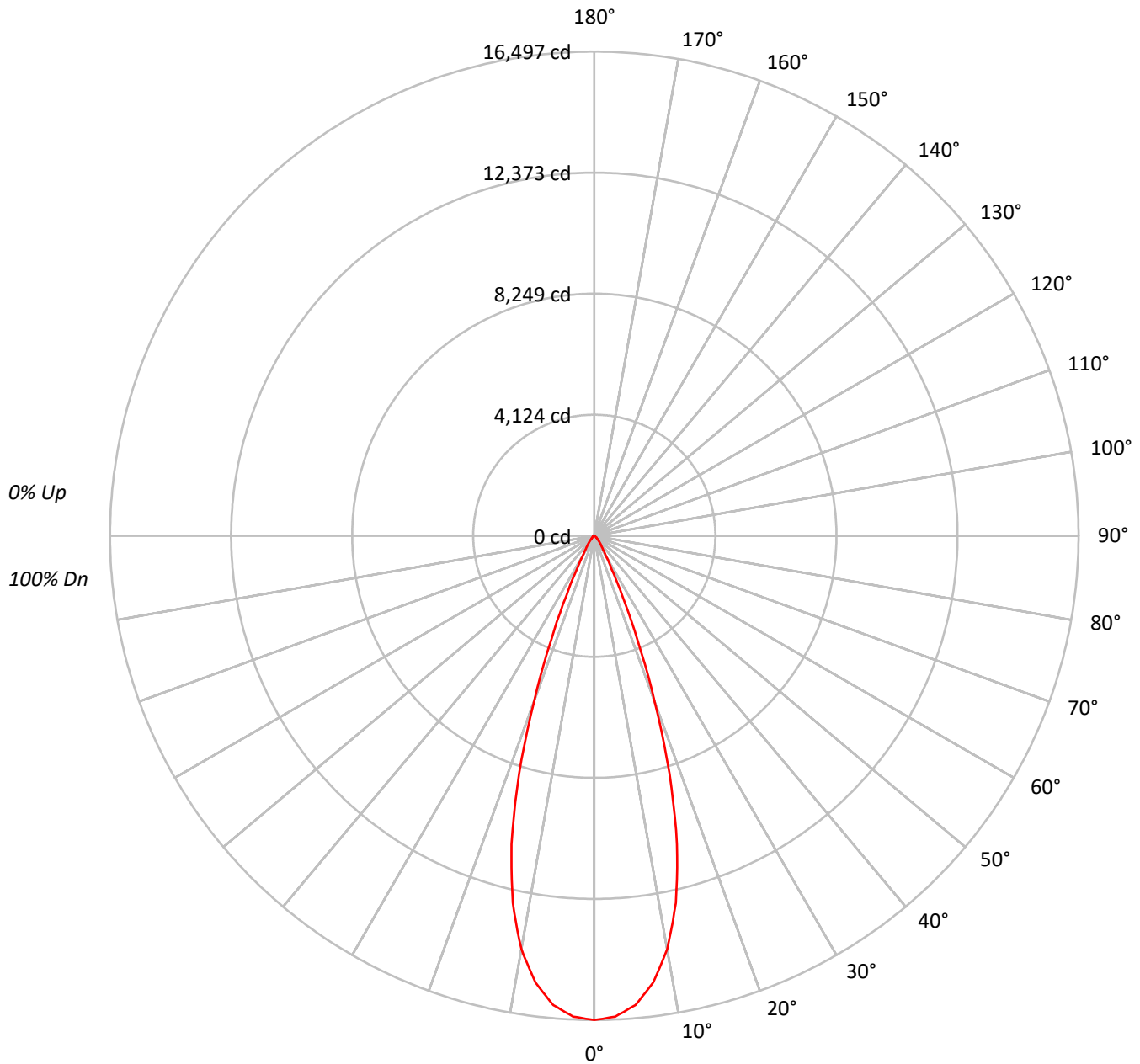


Downlight

TEST NUMBER: P750795

CATALOG NUMBER: LD4D60D010-EU4DR3555659050-4LBS1B

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1802507
5°	1760158
10°	1586365
15°	1231280
20°	698358
25°	271697
30°	101360
35°	55554
40°	36314
45°	22096
50°	14074
55°	9944
60°	7277
65°	3956
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1476.0	24.6
10°-20°	2881.8	48.1
20°-30°	1175.3	19.6
30°-40°	281.3	4.7
40°-50°	117.2	2.0
50°-60°	48.5	0.8
60°-70°	15.2	0.3
70°-80°	0.4	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°	5533.0	92.3
0°-40°	5814.3	97.0
0°-60°	5980.0	99.7
0°-90°	5995.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5995.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16497	
5°	16048	###
15°	10885	2882
25°	2254	1175
35°	416	281
45°	143	117
55°	52	49
65°	15	15
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16497.3
2.5°	16398.4
5°	16048.4
7.5°	15350.3
10°	14298.5
12.5°	12817.7
15°	10885.2
17.5°	8521.7
20°	6006.2
22.5°	3829.9
25°	2253.7
27.5°	1273.9
30°	803.4
32.5°	564.1
35°	416.5
37.5°	322.1
40°	254.6
42.5°	196.1
45°	143.0
47.5°	107.1
50°	82.8
52.5°	65.7
55°	52.2
57.5°	42.3
60°	33.3
62.5°	24.3
65°	15.3
67.5°	5.4
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)