

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: P750992

Luminaire Tested: LD4D60D010-EU4DR5055659030-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR5055659030-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6898.4 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

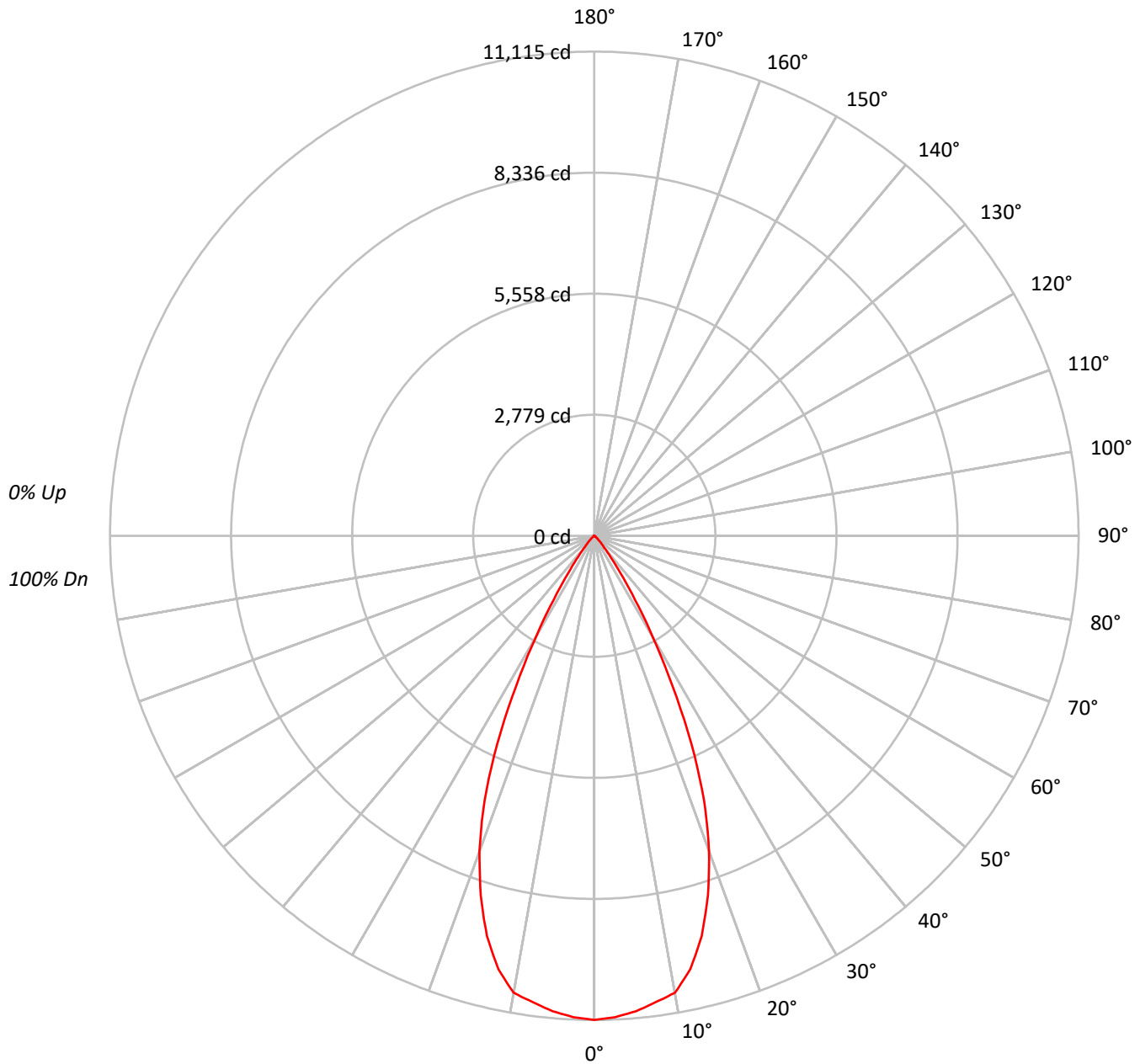


Downlight

TEST NUMBER: P750992

CATALOG NUMBER: LD4D60D010-EU4DR5055659030-4LBS1LI

Luminous Intensity Polar Plot



TEST NUMBER: P750992

CATALOG NUMBER: LD4D60D010-EU4DR5055659030-4LBS1LI

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80		
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76		
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72		
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69		
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65		
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62		
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1214455
5°	1201721
10°	1181933
15°	1076245
20°	895557
25°	635715
30°	336478
35°	137117
40°	50919
45°	23317
50°	9553
55°	4991
60°	2447
65°	724
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23317 cd/sqm



TEST NUMBER: P750992

CATALOG NUMBER: LD4D60D010-EU4DR5055659030-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1035.6	15.0
10°-20°	2617.3	37.9
20°-30°	2351.0	34.1
30°-40°	736.1	10.7
40°-50°	128.9	1.9
50°-60°	25.7	0.4
60°-70°	3.9	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	6003.9	87.0
0°-40°	6740.0	97.7
0°-60°	6894.6	99.9
0°-90°	6898.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6898.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11115	
5°	10957	###
15°	9515	2617
25°	5273	2351
35°	1028	736
45°	151	129
55°	26	26
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P750992

CATALOG NUMBER: LD4D60D010-EU4DR5055659030-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	11115.2
2.5°	11059.9
5°	10956.8
7.5°	10799.4
10°	10653.2
12.5°	10184.6
15°	9514.6
17.5°	8663.7
20°	7702.2
22.5°	6589.8
25°	5273.2
27.5°	3876.9
30°	2667.0
32.5°	1736.5
35°	1028.0
37.5°	590.4
40°	357.0
42.5°	232.4
45°	150.9
47.5°	91.8
50°	56.2
52.5°	38.4
55°	26.2
57.5°	17.8
60°	11.2
62.5°	6.6
65°	2.8
67.5°	0.9
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)