

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: P750897

Luminaire Tested: LD4D60D010-EU4DR4555659027-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR4555659027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6280.7 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

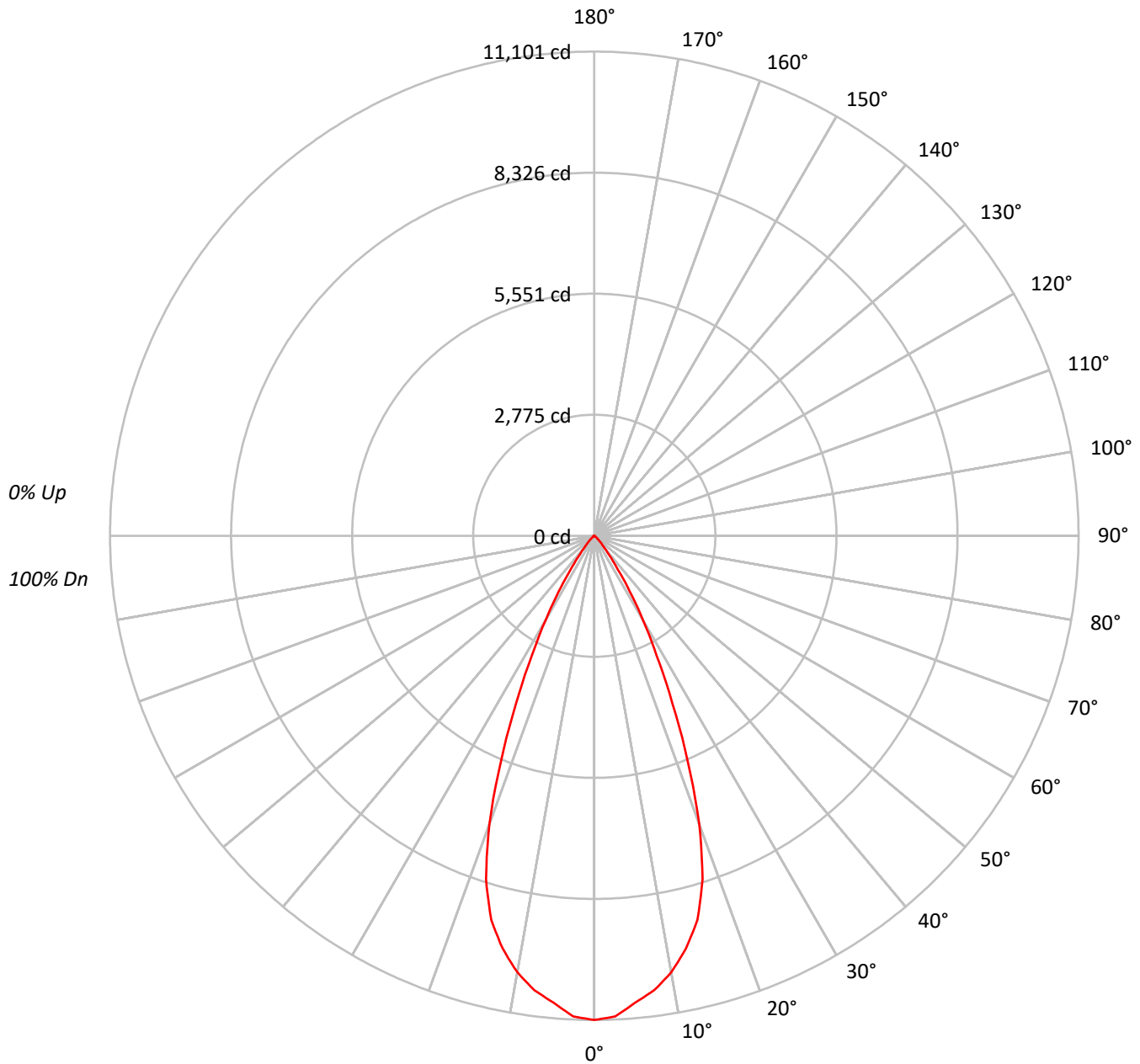


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1212925
5°	1178393
10°	1127403
15°	1031813
20°	818584
25°	511049
30°	281673
35°	126474
40°	49821
45°	23471
50°	11134
55°	5829
60°	2863
65°	672
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23471 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.5	16.1
10°-20°	2484.5	39.6
20°-30°	1967.5	31.3
30°-40°	655.2	10.4
40°-50°	130.0	2.1
50°-60°	29.6	0.5
60°-70°	4.3	0.1
70°-80°	0.1	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°	5461.5	87.0
0°-40°	6116.7	97.4
0°-60°	6276.3	99.9
0°-90°	6280.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6280.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11101	
5°	10744	###
15°	9122	2485
25°	4239	1967
35°	948	655
45°	152	130
55°	31	30
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11101.2
2.5°	11028.8
5°	10744.1
7.5°	10509.2
10°	10161.7
12.5°	9698.9
15°	9121.8
17.5°	8253.9
20°	7040.2
22.5°	5594.3
25°	4239.1
27.5°	3104.0
30°	2232.6
32.5°	1518.4
35°	948.2
37.5°	562.3
40°	349.3
42.5°	229.6
45°	151.9
47.5°	97.8
50°	65.5
52.5°	43.7
55°	30.6
57.5°	20.1
60°	13.1
62.5°	7.0
65°	2.6
67.5°	0.9
70°	0.9
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



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— 0°-180°







(END OF REPORT)