

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: P751208

Luminaire Tested: LD4D60D010-EU4DR6555659027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6555659027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5117.5 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

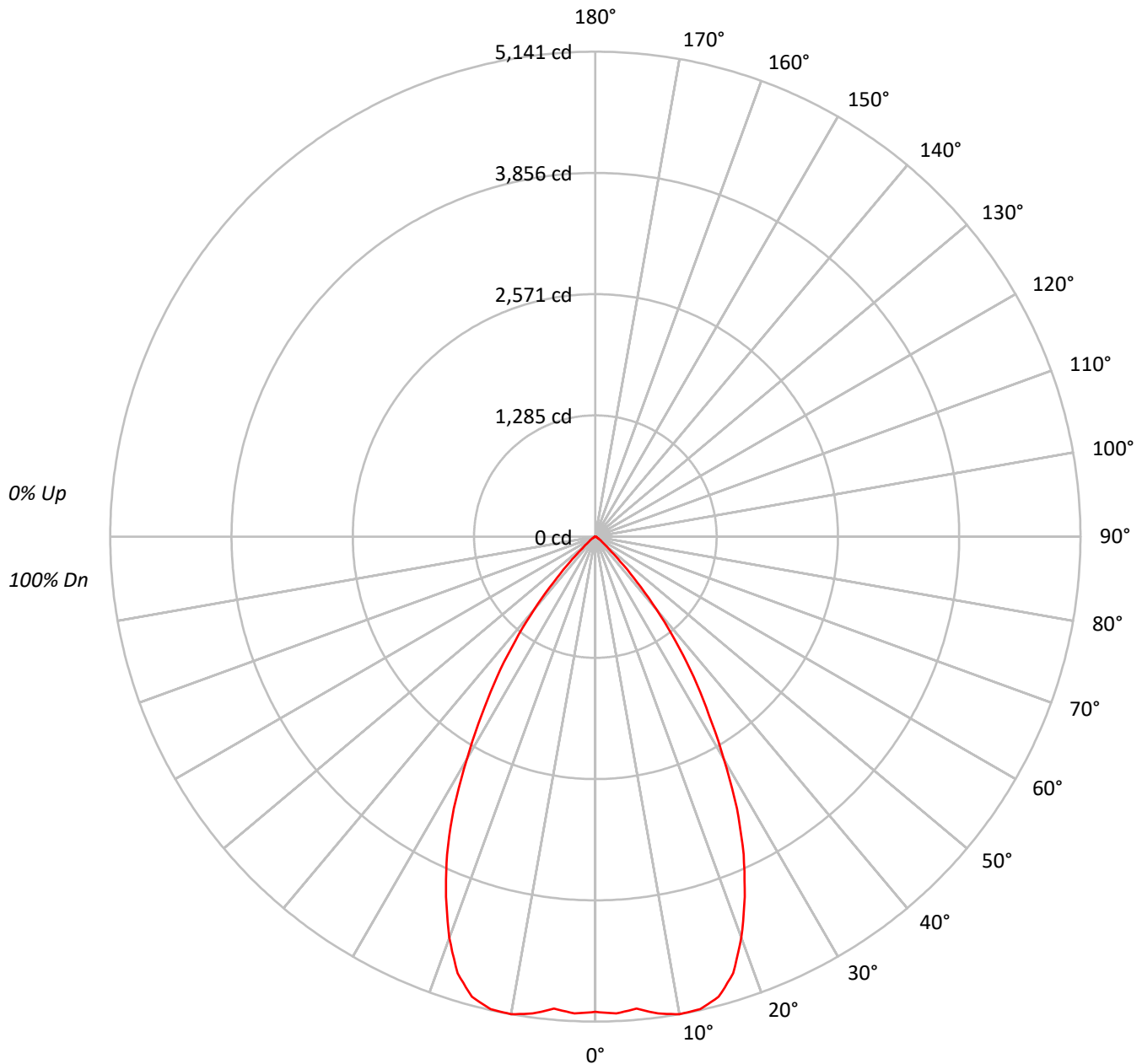


Downlight

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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
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	550510
5°	550968
10°	570364
15°	571310
20°	525984
25°	448167
30°	343089
35°	242383
40°	143072
45°	58083
50°	21060
55°	11734
60°	6730
65°	3697
70°	3897
75°	3039
80°	3146
85°	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58083 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.2	9.5
10°-20°	1399.5	27.3
20°-30°	1679.1	32.8
30°-40°	1128.4	22.1
40°-50°	337.8	6.6
50°-60°	59.6	1.2
60°-70°	16.9	0.3
70°-80°	8.3	0.2
80°-90°	2.6	0.1
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°	3563.8	69.6
0°-40°	4692.2	91.7
0°-60°	5089.6	99.5
0°-90°	5117.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5117.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5038	
5°	5024	485
15°	5051	1399
25°	3718	1679
35°	1817	1128
45°	376	338
55°	62	60
65°	14	17
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5038.5
2.5°	5060.0
5°	5023.5
7.5°	5099.4
10°	5140.9
12.5°	5130.9
15°	5050.7
17.5°	4854.5
20°	4523.7
22.5°	4134.2
25°	3717.5
27.5°	3247.1
30°	2719.4
32.5°	2241.1
35°	1817.2
37.5°	1398.4
40°	1003.1
42.5°	655.1
45°	375.9
47.5°	199.0
50°	123.9
52.5°	85.9
55°	61.6
57.5°	44.4
60°	30.8
62.5°	20.0
65°	14.3
67.5°	12.9
70°	12.2
72.5°	9.3
75°	7.2
77.5°	6.4
80°	5.0
82.5°	3.6
85°	2.1
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)