

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: P751265

Luminaire Tested: LD4D60D010-EU4DR6555659050-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6555659050-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6207.8 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): 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

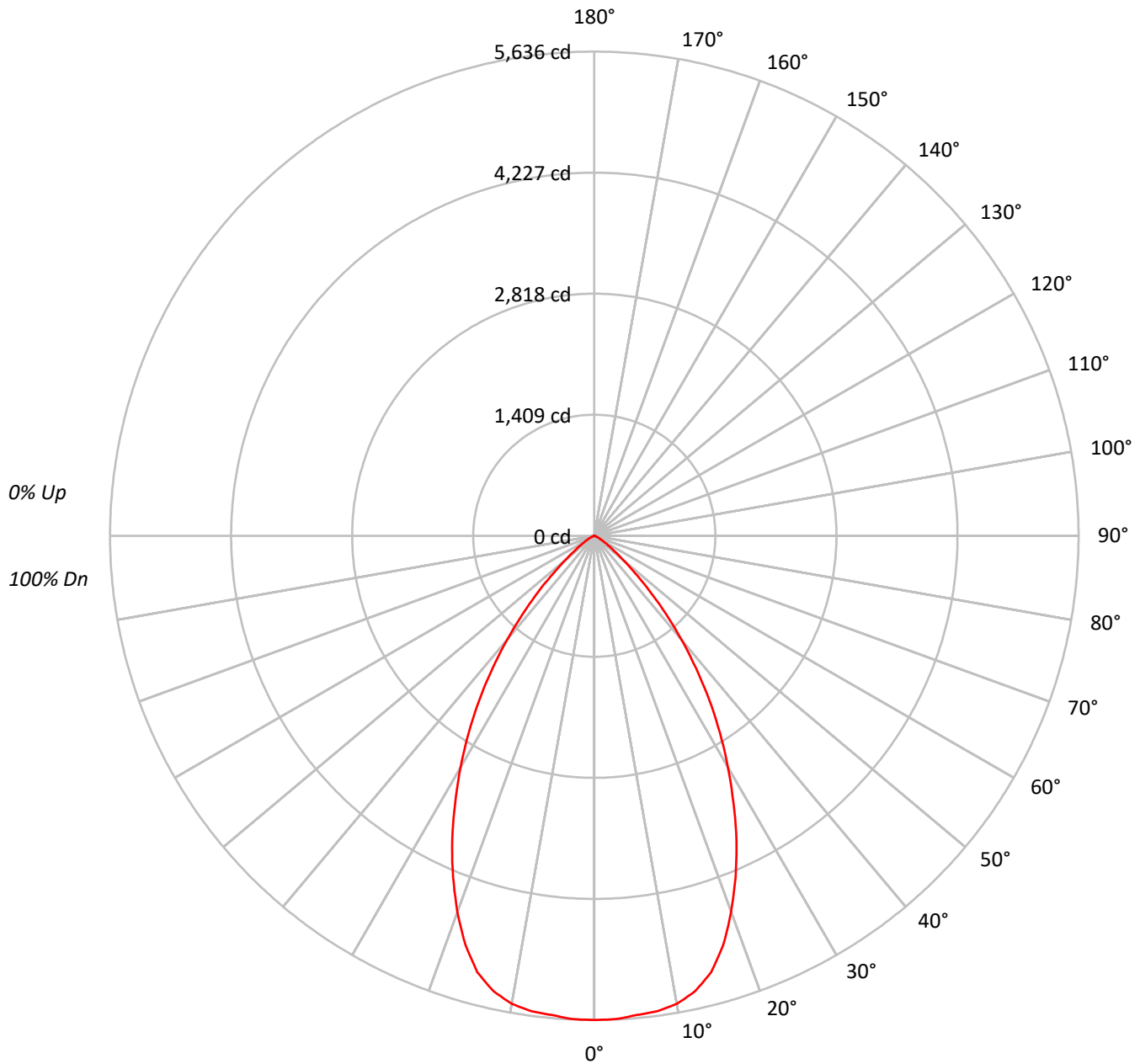


Downlight

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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					0
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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	329193
5°	328364
10°	328080
15°	317969
20°	289473
25°	252256
30°	209809
35°	166238
40°	119980
45°	75798
50°	39515
55°	20996
60°	11027
65°	6067
70°	2544
75°	2798
80°	1951
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.0	8.6
10°-20°	1459.7	23.5
20°-30°	1784.2	28.7
30°-40°	1447.6	23.3
40°-50°	721.4	11.6
50°-60°	201.2	3.2
60°-70°	45.7	0.7
70°-80°	11.9	0.2
80°-90°	3.0	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°	3776.9	60.8
0°-40°	5224.5	84.2
0°-60°	6147.1	99.0
0°-90°	6207.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6207.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5636	
5°	5601	533
15°	5259	1460
25°	3914	1784
35°	2332	1448
45°	918	721
55°	206	201
65°	44	46
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5636.5
2.5°	5632.4
5°	5600.9
7.5°	5582.7
10°	5532.1
12.5°	5429.4
15°	5258.8
17.5°	4992.1
20°	4657.5
22.5°	4296.3
25°	3914.5
27.5°	3506.1
30°	3111.1
32.5°	2720.9
35°	2331.6
37.5°	1943.2
40°	1573.7
42.5°	1227.5
45°	917.7
47.5°	639.4
50°	434.9
52.5°	299.8
55°	206.2
57.5°	139.2
60°	94.4
62.5°	65.4
65°	43.9
67.5°	22.4
70°	14.9
72.5°	14.1
75°	12.4
77.5°	8.3
80°	5.8
82.5°	4.1
85°	2.5
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)