

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: P750792

Luminaire Tested: LD4D60D010-EU4DR3555659050-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750792
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-EU4DR3555659050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6122.4 lumens
Efficiency: N/A
Efficacy: 95.1 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 (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

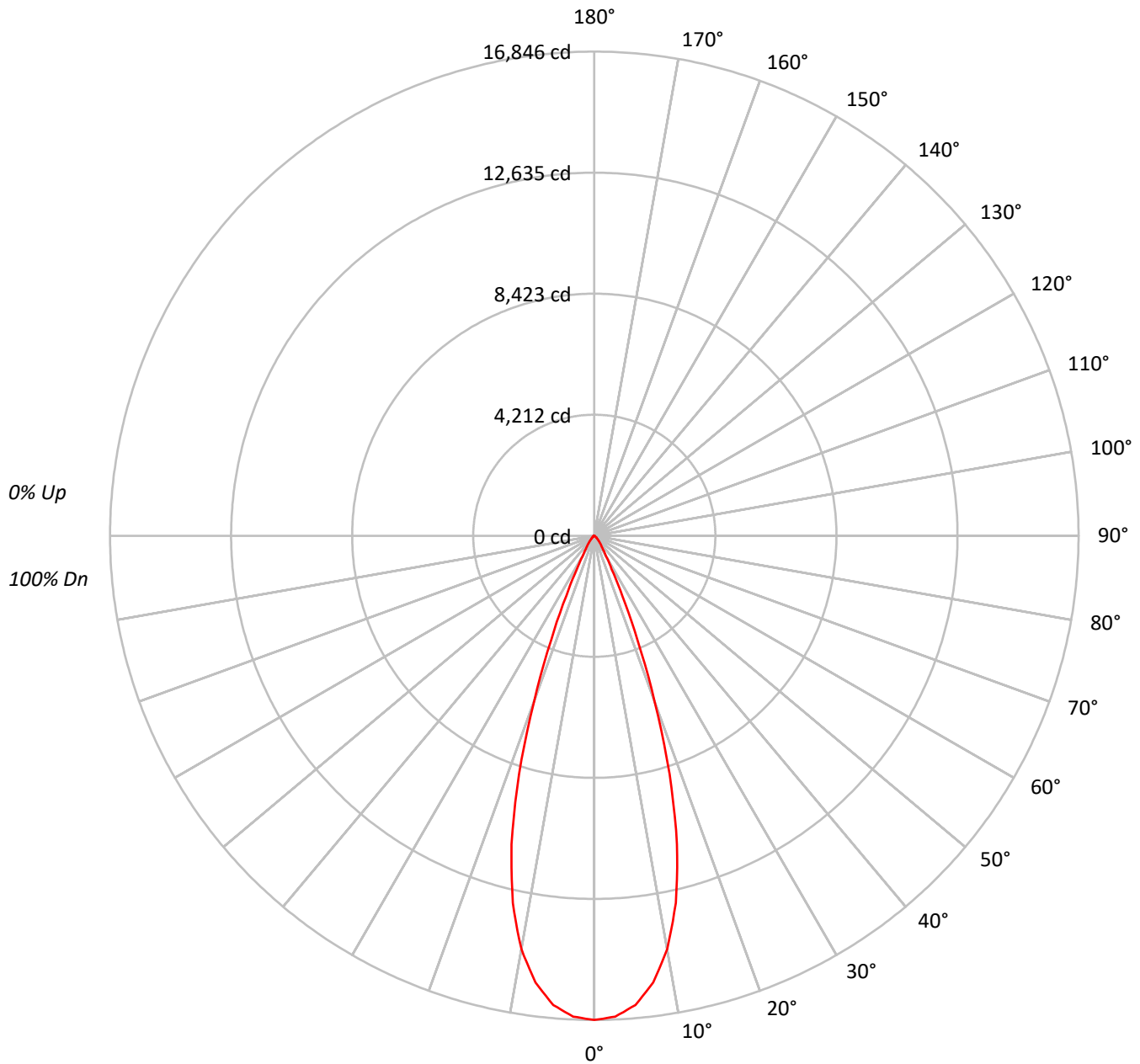


Downlight

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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					10
RW	70	50	30	10		70	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			100
1	115	112	110	108		112	110	108	107		106	105	103			103	101	100			96
2	110	106	103	101		108	105	102	99		102	99	97			99	97	95			92
3	106	101	97	94		105	100	96	93		97	95	92			95	93	91			88
4	103	97	92	89		101	96	92	89		94	90	88			92	89	87			84
5	99	93	88	85		98	92	87	84		90	86	84			89	85	83			81
6	96	89	84	81		94	88	84	81		87	83	80			85	82	80			78
7	93	85	81	78		91	85	80	77		84	80	77			83	79	77			75
8	90	82	78	74		88	82	77	74		81	77	74			80	76	74			72
9	87	79	75	72		86	79	75	72		78	74	71			77	74	71			70
10	84	77	72	69		83	76	72	69		76	72	69			75	71	69			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1840574
5°	1797328
10°	1619860
15°	1257274
20°	713101
25°	277435
30°	103504
35°	56728
40°	37084
45°	22575
50°	14363
55°	10153
60°	7430
65°	4033
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22575 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1507.1	24.6
10°-20°	2942.6	48.1
20°-30°	1200.1	19.6
30°-40°	287.2	4.7
40°-50°	119.7	2.0
50°-60°	49.6	0.8
60°-70°	15.5	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°	5649.8	92.3
0°-40°	5937.0	97.0
0°-60°	6106.3	99.7
0°-90°	6122.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6122.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16846	
5°	16387	###
15°	11115	2943
25°	2301	1200
35°	425	287
45°	146	120
55°	53	50
65°	16	15
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16845.7
2.5°	16744.6
5°	16387.3
7.5°	15674.4
10°	14600.4
12.5°	13088.3
15°	11115.0
17.5°	8701.7
20°	6133.0
22.5°	3910.8
25°	2301.3
27.5°	1300.8
30°	820.4
32.5°	576.0
35°	425.3
37.5°	328.9
40°	260.0
42.5°	200.3
45°	146.1
47.5°	109.3
50°	84.5
52.5°	67.1
55°	53.3
57.5°	43.2
60°	34.0
62.5°	24.8
65°	15.6
67.5°	5.5
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)