

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: P750823

Luminaire Tested: LD4D60D010-EU4DR4055659027-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR4055659027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6738.5 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

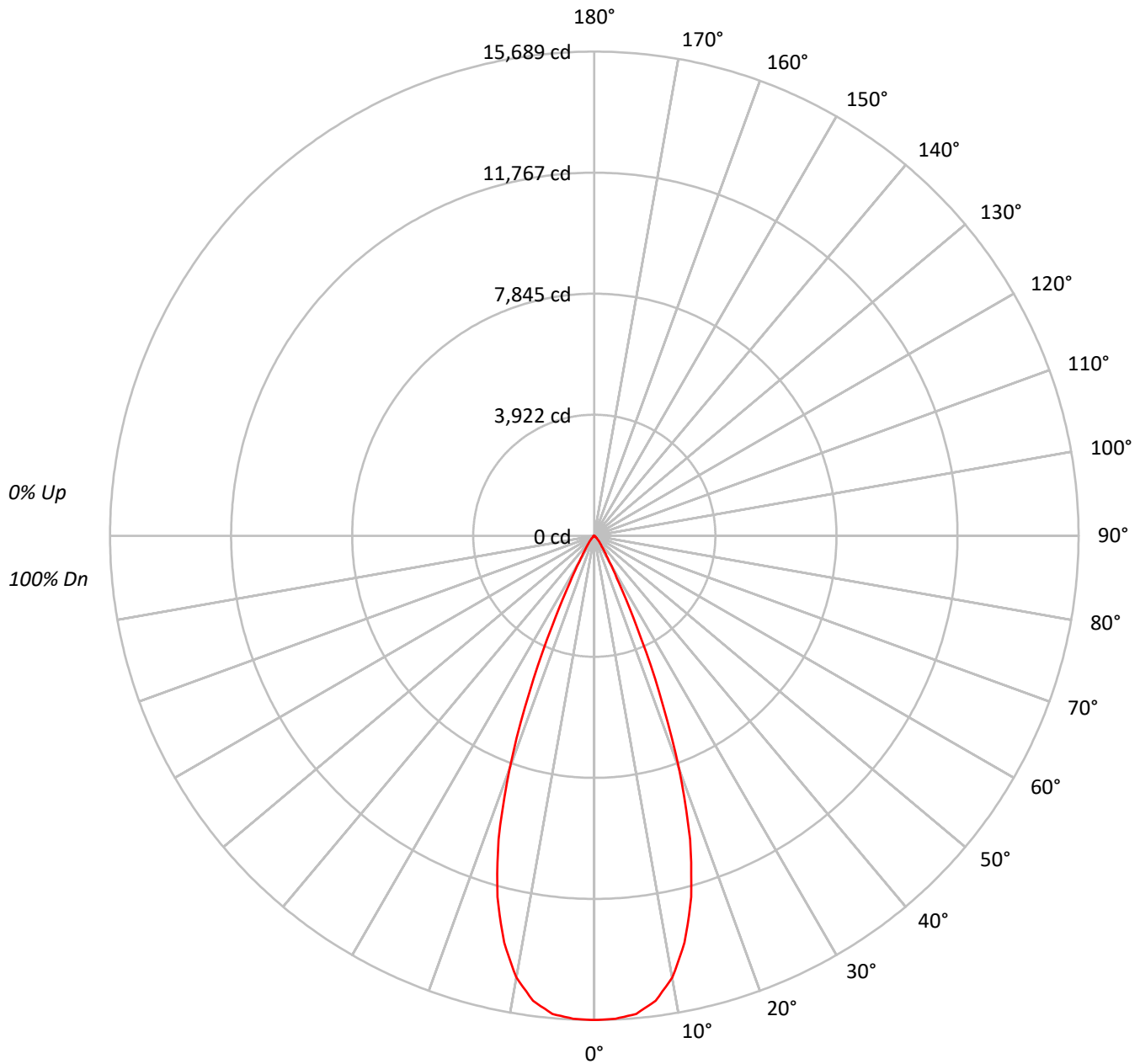


Downlight

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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			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	100		108	105	102	99		102	99	97			99	97	95			92
3	106	101	97	94		104	100	96	93		97	94	92			95	93	90			88
4	102	97	92	89		101	95	91	88		93	90	87			92	89	86			84
5	99	92	88	84		97	91	87	84		90	86	83			88	85	83			81
6	95	88	84	80		94	88	83	80		86	82	80			85	82	79			77
7	92	85	80	77		91	84	80	77		83	79	76			82	79	76			74
8	89	82	77	74		88	81	77	74		80	76	73			79	76	73			72
9	86	79	74	71		85	78	74	71		77	73	71			76	73	70			69
10	83	76	71	68		82	75	71	68		75	71	68			74	70	68			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1714214
5°	1705879
10°	1612427
15°	1370774
20°	934276
25°	389818
30°	122568
35°	56968
40°	31507
45°	14447
50°	7003
55°	3848
60°	2010
65°	698
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14447 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1452.3	21.6
10°-20°	3253.6	48.3
20°-30°	1628.6	24.2
30°-40°	298.5	4.4
40°-50°	82.4	1.2
50°-60°	19.3	0.3
60°-70°	3.7	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°	6334.5	94.0
0°-40°	6633.0	98.4
0°-60°	6734.7	99.9
0°-90°	6738.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6738.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15689	
5°	15554	###
15°	12118	3254
25°	3234	1629
35°	427	299
45°	94	82
55°	20	19
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15689.2
2.5°	15666.3
5°	15553.5
7.5°	15194.3
10°	14533.4
12.5°	13503.3
15°	12118.4
17.5°	10317.4
20°	8035.2
22.5°	5478.1
25°	3233.5
27.5°	1709.3
30°	971.5
32.5°	627.8
35°	427.1
37.5°	305.2
40°	220.9
42.5°	151.2
45°	93.5
47.5°	59.6
50°	41.2
52.5°	29.3
55°	20.2
57.5°	12.8
60°	9.2
62.5°	5.5
65°	2.7
67.5°	1.8
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)