

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: P750831

Luminaire Tested: LD4D60D010-EU4DR4055659030-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750831
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-EU4DR4055659030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6281.1 lumens
Efficiency: N/A
Efficacy: 97.5 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 (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

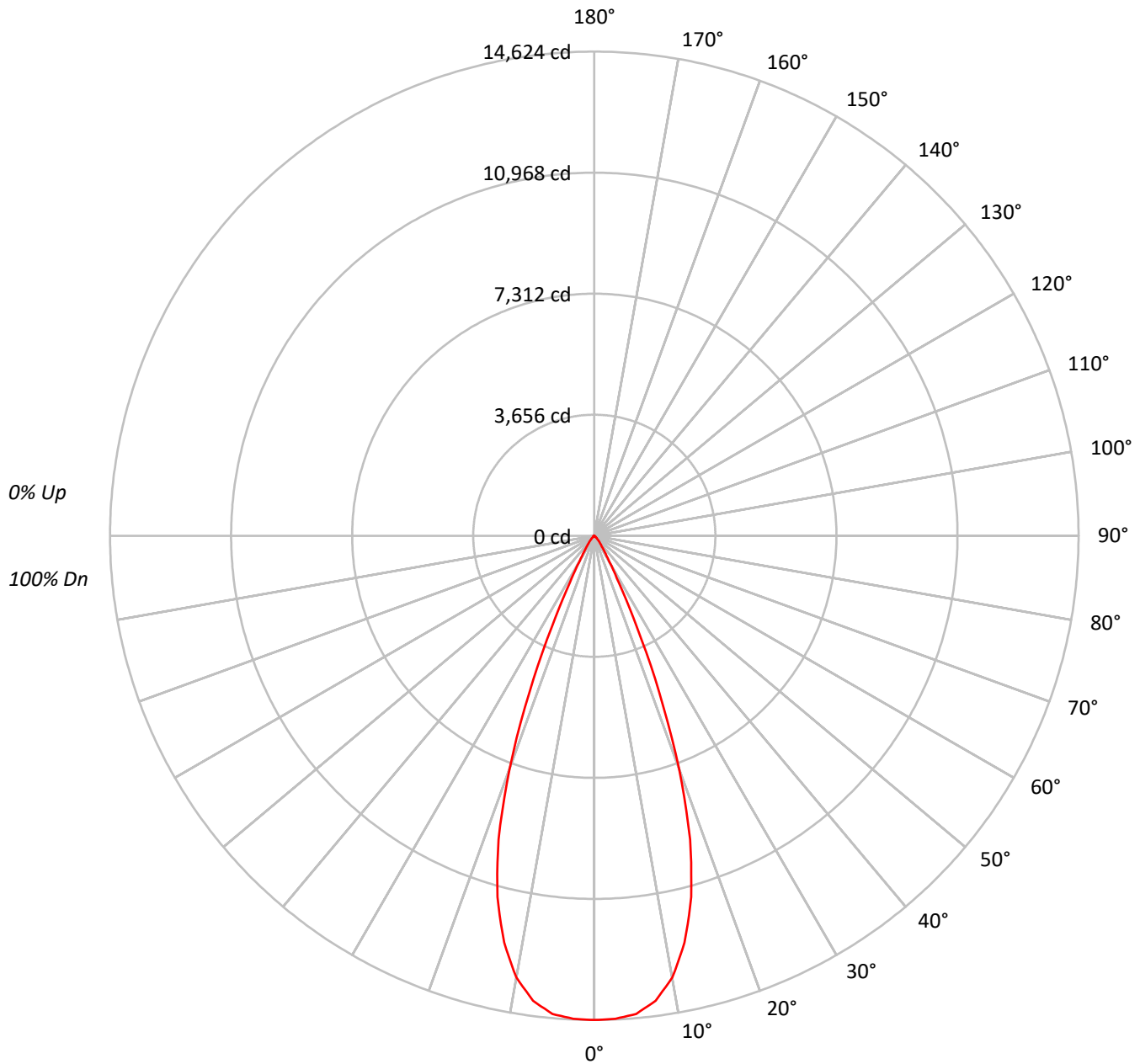


Downlight

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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			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	115	112	110	108		112	110	108	107		106	105	103			103	101	100			99
2	110	106	103	100		108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94		104	100	96	93		97	94	92			95	93	90			93
4	102	97	92	89		101	95	91	88		93	90	87			92	89	86			90
5	99	92	88	84		97	91	87	84		90	86	83			88	85	83			87
6	95	88	84	80		94	88	83	80		86	82	80			85	82	79			84
7	92	85	80	77		91	84	80	77		83	79	76			82	79	76			81
8	89	82	77	74		88	81	77	74		80	76	73			79	76	73			78
9	86	79	74	71		85	78	74	71		77	73	71			76	73	70			76
10	83	76	71	68		82	75	71	68		75	71	68			74	70	68			73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1597818
5°	1590058
10°	1502956
15°	1277702
20°	870849
25°	363355
30°	114254
35°	53100
40°	29367
45°	13459
50°	6527
55°	3581
60°	1857
65°	672
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13459 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1353.7	21.6
10°-20°	3032.7	48.3
20°-30°	1518.1	24.2
30°-40°	278.3	4.4
40°-50°	76.8	1.2
50°-60°	18.0	0.3
60°-70°	3.5	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°	5904.4	94.0
0°-40°	6182.7	98.4
0°-60°	6277.5	99.9
0°-90°	6281.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6281.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14624	
5°	14498	###
15°	11296	3033
25°	3014	1518
35°	398	278
45°	87	77
55°	19	18
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14623.9
2.5°	14602.6
5°	14497.5
7.5°	14162.6
10°	13546.7
12.5°	12586.4
15°	11295.6
17.5°	9616.9
20°	7489.7
22.5°	5106.2
25°	3014.0
27.5°	1593.3
30°	905.6
32.5°	585.2
35°	398.1
37.5°	284.5
40°	205.9
42.5°	141.0
45°	87.1
47.5°	55.5
50°	38.4
52.5°	27.3
55°	18.8
57.5°	12.0
60°	8.5
62.5°	5.1
65°	2.6
67.5°	1.7
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)