

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: P751248

Luminaire Tested: LD4D60D010-EU4DR6555659040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751248
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-EU4DR6555659040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5855.6 lumens
Efficiency: N/A
Efficacy: 90.9 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

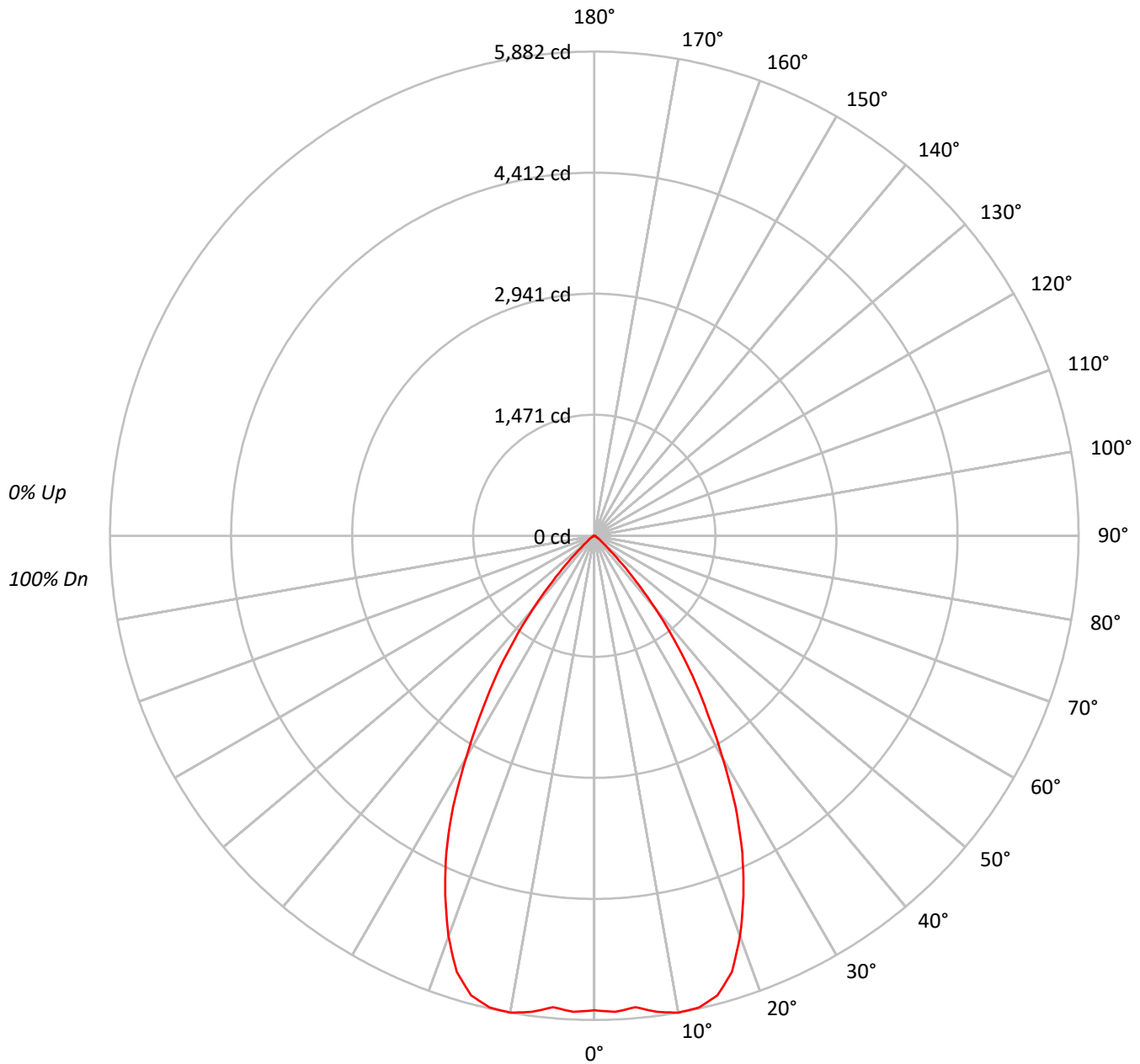


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	629910
5°	630430
10°	652630
15°	653715
20°	601852
25°	512809
30°	392570
35°	277343
40°	163710
45°	66458
50°	24086
55°	13430
60°	7692
65°	4240
70°	4440
75°	3462
80°	3586
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66458 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.1	9.5
10°-20°	1601.3	27.3
20°-30°	1921.3	32.8
30°-40°	1291.2	22.1
40°-50°	386.5	6.6
50°-60°	68.2	1.2
60°-70°	19.4	0.3
70°-80°	9.5	0.2
80°-90°	3.0	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°	4077.8	69.6
0°-40°	5368.9	91.7
0°-60°	5823.7	99.5
0°-90°	5855.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5855.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5765	
5°	5748	555
15°	5779	1601
25°	4254	1921
35°	2079	1291
45°	430	387
55°	70	68
65°	16	19
75°	8	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5765.2
2.5°	5789.8
5°	5748.0
7.5°	5834.9
10°	5882.4
12.5°	5870.9
15°	5779.2
17.5°	5554.7
20°	5176.2
22.5°	4730.5
25°	4253.7
27.5°	3715.4
30°	3111.6
32.5°	2564.3
35°	2079.3
37.5°	1600.0
40°	1147.8
42.5°	749.6
45°	430.1
47.5°	227.8
50°	141.7
52.5°	98.3
55°	70.5
57.5°	50.8
60°	35.2
62.5°	22.9
65°	16.4
67.5°	14.7
70°	13.9
72.5°	10.7
75°	8.2
77.5°	7.4
80°	5.7
82.5°	4.1
85°	2.5
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)