

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: P751240

Luminaire Tested: LD4D60D010-EU4DR6555659035-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751240
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-EU4DR6555659035-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5328.9 lumens
Efficiency: N/A
Efficacy: 82.7 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

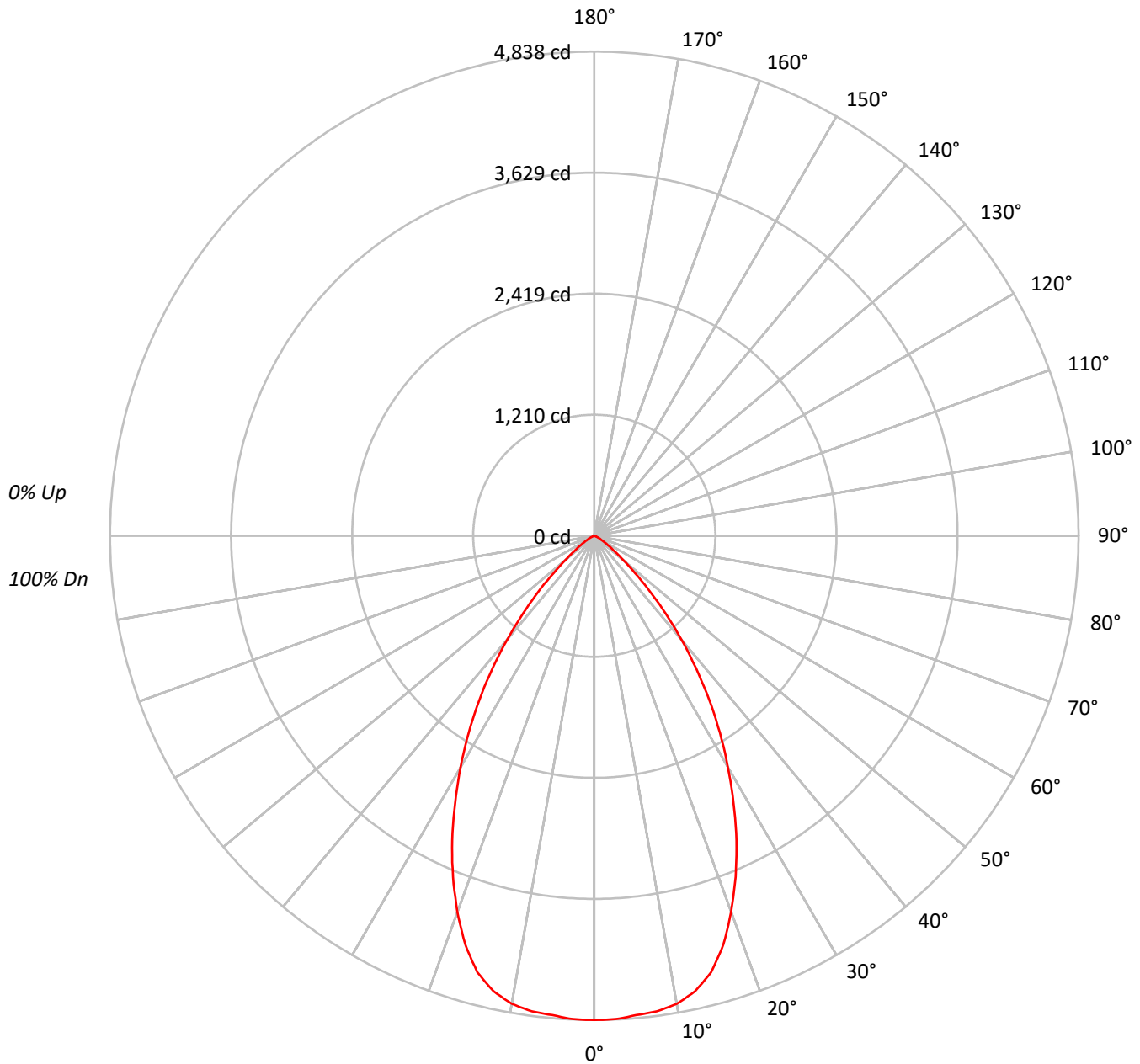


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	282587
5°	281873
10°	281633
15°	272953
20°	248490
25°	216543
30°	180103
35°	142703
40°	102994
45°	65069
50°	33918
55°	18023
60°	9473
65°	5210
70°	2186
75°	2415
80°	1682
85°	1407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.6	8.6
10°-20°	1253.0	23.5
20°-30°	1531.6	28.7
30°-40°	1242.7	23.3
40°-50°	619.2	11.6
50°-60°	172.7	3.2
60°-70°	39.3	0.7
70°-80°	10.2	0.2
80°-90°	2.6	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°	3242.2	60.8
0°-40°	4484.9	84.2
0°-60°	5276.8	99.0
0°-90°	5328.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5328.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4838	
5°	4808	458
15°	4514	1253
25°	3360	1532
35°	2002	1243
45°	788	619
55°	177	173
65°	38	39
75°	11	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4838.5
2.5°	4835.0
5°	4807.9
7.5°	4792.3
10°	4748.9
12.5°	4660.8
15°	4514.3
17.5°	4285.3
20°	3998.1
22.5°	3688.1
25°	3360.3
27.5°	3009.8
30°	2670.6
32.5°	2335.7
35°	2001.5
37.5°	1668.1
40°	1350.9
42.5°	1053.7
45°	787.8
47.5°	548.9
50°	373.3
52.5°	257.4
55°	177.0
57.5°	119.5
60°	81.1
62.5°	56.2
65°	37.7
67.5°	19.2
70°	12.8
72.5°	12.1
75°	10.7
77.5°	7.1
80°	5.0
82.5°	3.6
85°	2.1
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)