

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: P750486

Luminaire Tested: LD4D55D010-EU4DR6555659050-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P750486
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: LD4D55D010-EU4DR6555659050-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5108.9 lumens
Efficiency: N/A
Efficacy: 87.8 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): 58.2
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

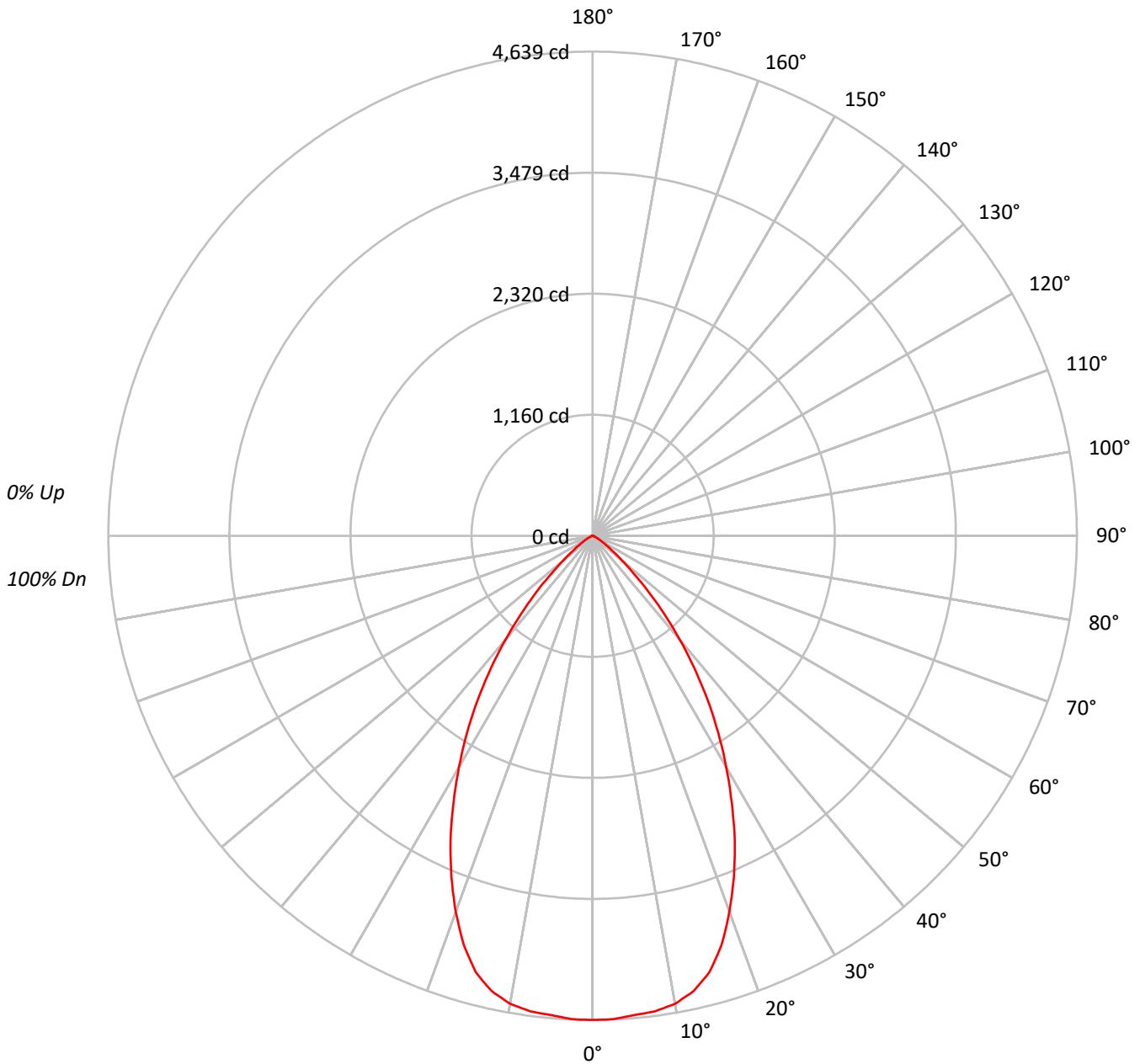


Downlight

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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	270918
5°	270235
10°	270003
15°	261683
20°	238229
25°	207598
30°	172664
35°	136814
40°	98747
45°	62384
50°	32519
55°	17280
60°	9076
65°	4989
70°	2100
75°	2302
80°	1614
85°	1340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 62384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.7	8.6
10°-20°	1201.3	23.5
20°-30°	1468.3	28.7
30°-40°	1191.4	23.3
40°-50°	593.7	11.6
50°-60°	165.6	3.2
60°-70°	37.6	0.7
70°-80°	9.8	0.2
80°-90°	2.5	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°	3108.3	60.8
0°-40°	4299.7	84.2
0°-60°	5059.0	99.0
0°-90°	5108.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5108.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4639	
5°	4609	439
15°	4328	1201
25°	3222	1468
35°	1919	1191
45°	755	594
55°	170	166
65°	36	38
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4638.7
2.5°	4635.3
5°	4609.4
7.5°	4594.4
10°	4552.8
12.5°	4468.3
15°	4327.9
17.5°	4108.4
20°	3833.0
22.5°	3535.8
25°	3221.5
27.5°	2885.5
30°	2560.3
32.5°	2239.3
35°	1918.9
37.5°	1599.2
40°	1295.2
42.5°	1010.2
45°	755.3
47.5°	526.2
50°	357.9
52.5°	246.8
55°	169.7
57.5°	114.5
60°	77.7
62.5°	53.9
65°	36.1
67.5°	18.4
70°	12.3
72.5°	11.6
75°	10.2
77.5°	6.8
80°	4.8
82.5°	3.4
85°	2.0
87.5°	1.4
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)