

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: P750388

Luminaire Tested: LD4D55D010-EU4DR6055659040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750388
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR6055659040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4570.5 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' 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

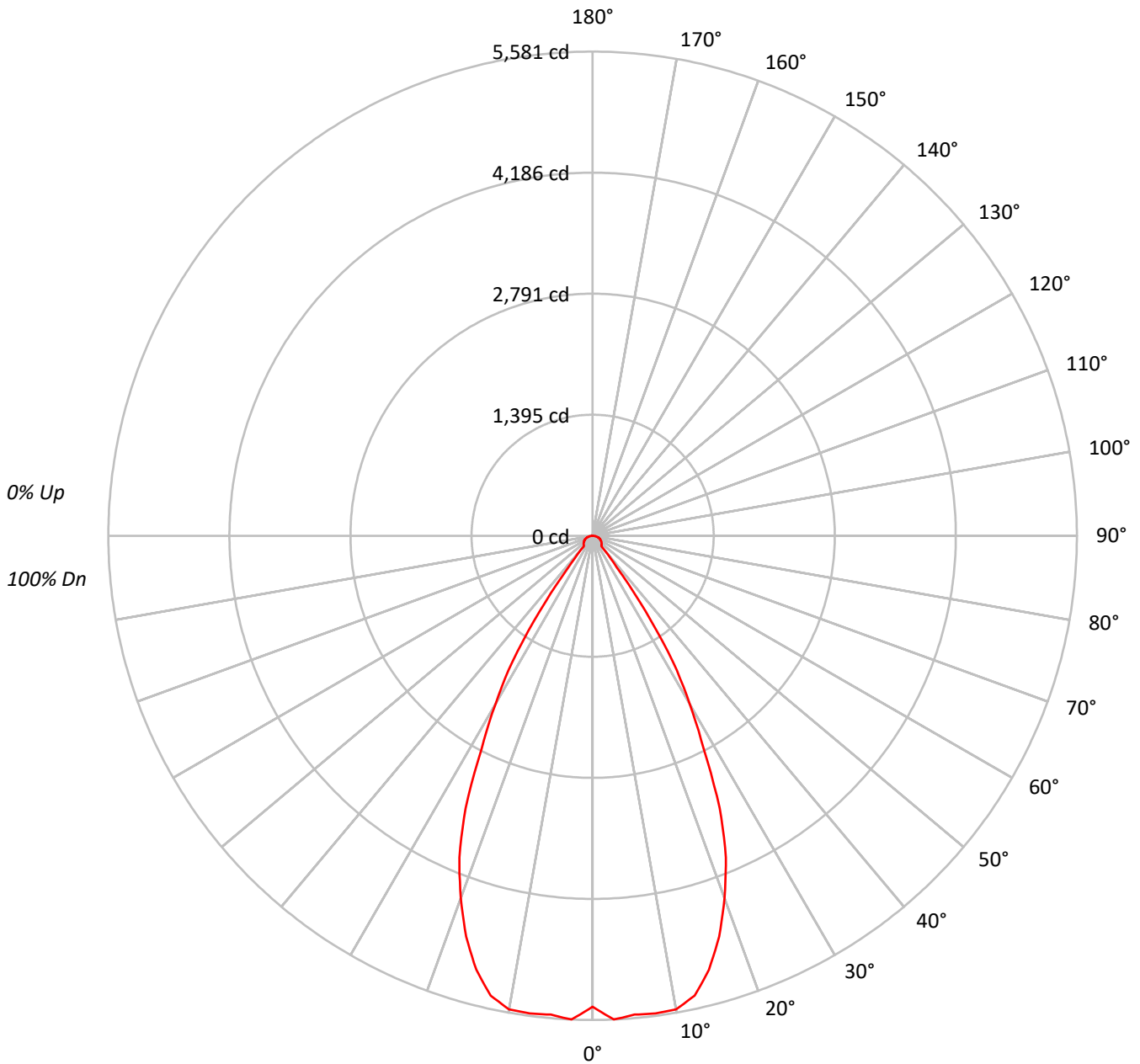


Downlight

TEST NUMBER: P750388

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593078
5°	607661
10°	615009
15°	585868
20°	516565
25°	417811
30°	282606
35°	141612
40°	22978
45°	22482
50°	22930
55°	23278
60°	23928
65°	24483
70°	25045
75°	25329
80°	24476
85°	20309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 25329 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.5	11.6
10°-20°	1432.7	31.3
20°-30°	1541.4	33.7
30°-40°	670.0	14.7
40°-50°	112.5	2.5
50°-60°	109.4	2.4
60°-70°	93.6	2.0
70°-80°	62.6	1.4
80°-90°	18.8	0.4
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°	3503.6	76.7
0°-40°	4173.6	91.3
0°-60°	4395.6	96.2
0°-90°	4570.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4570.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5428	
5°	5540	530
15°	5179	1433
25°	3466	1541
35°	1062	670
45°	146	113
55°	122	109
65°	95	94
75°	60	63
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5428.1
2.5°	5580.7
5°	5540.4
7.5°	5553.1
10°	5543.3
12.5°	5428.8
15°	5179.4
17.5°	4844.6
20°	4442.7
22.5°	4012.4
25°	3465.7
27.5°	2772.0
30°	2240.0
32.5°	1726.5
35°	1061.7
37.5°	454.2
40°	161.1
42.5°	148.3
45°	145.5
47.5°	140.6
50°	134.9
52.5°	128.6
55°	122.2
57.5°	115.9
60°	109.5
62.5°	102.4
65°	94.7
67.5°	86.9
70°	78.4
72.5°	69.2
75°	60.0
77.5°	49.4
80°	38.9
82.5°	27.6
85°	16.2
87.5°	5.7
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)