

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: P750351

Luminaire Tested: LD4D55D010-EU4DR6055659027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750351
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-EU4DR6055659027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5592.4 lumens
Efficiency: N/A
Efficacy: 96.1 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

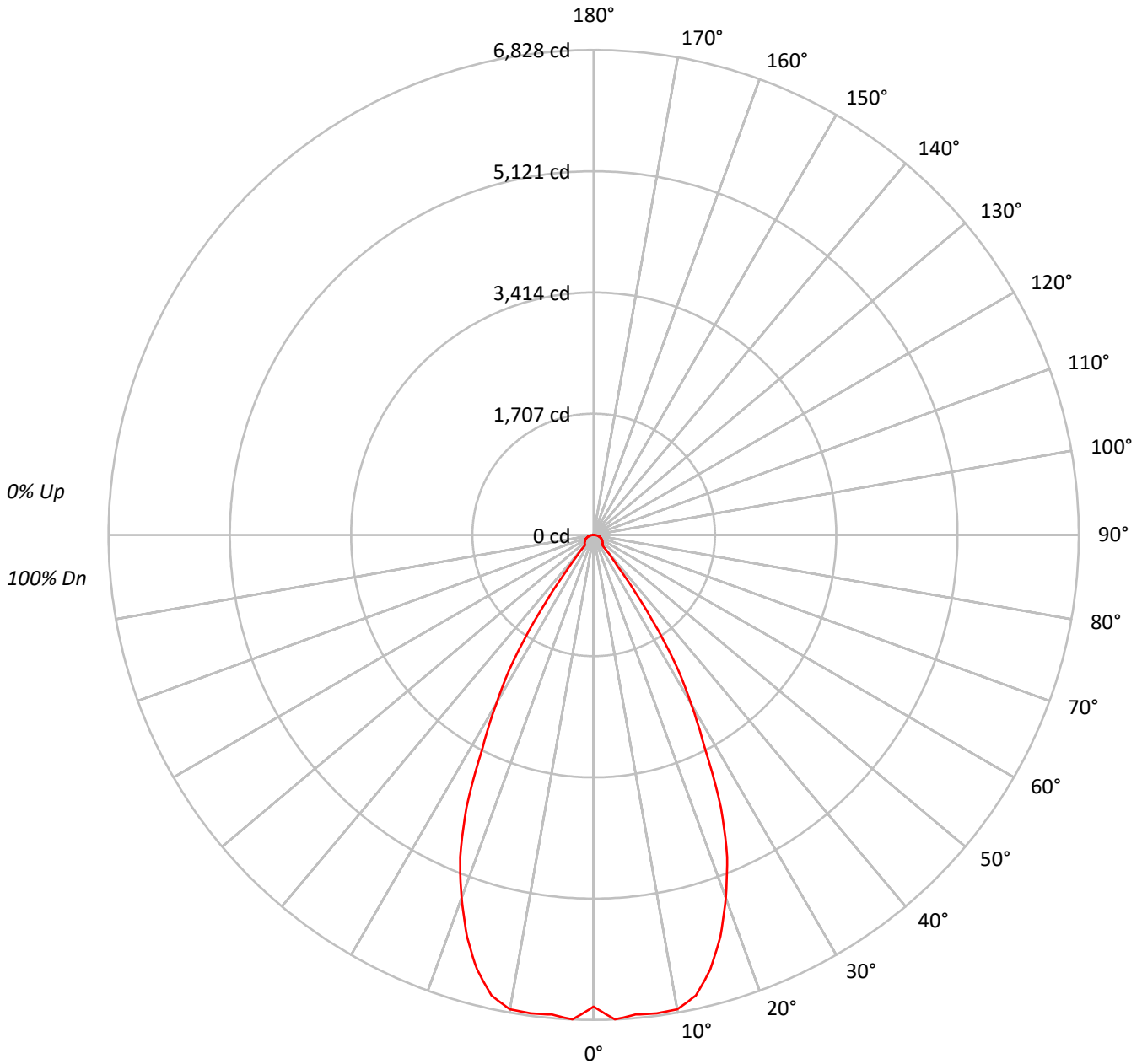
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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°	725677
5°	743519
10°	752493
15°	716855
20°	632048
25°	511217
30°	345801
35°	173278
40°	28112
45°	27520
50°	28064
55°	28478
60°	29282
65°	29938
70°	30636
75°	31028
80°	29887
85°	24947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 31028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	647.9	11.6
10°-20°	1753.0	31.3
20°-30°	1886.0	33.7
30°-40°	819.8	14.7
40°-50°	137.7	2.5
50°-60°	133.9	2.4
60°-70°	114.5	2.0
70°-80°	76.6	1.4
80°-90°	22.9	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°	4286.9	76.7
0°-40°	5106.7	91.3
0°-60°	5378.3	96.2
0°-90°	5592.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5592.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6642	
5°	6779	648
15°	6337	1753
25°	4240	1886
35°	1299	820
45°	178	138
55°	150	134
65°	116	114
75°	74	77
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6641.7
2.5°	6828.4
5°	6779.1
7.5°	6794.6
10°	6782.5
12.5°	6642.5
15°	6337.4
17.5°	5927.7
20°	5435.9
22.5°	4909.5
25°	4240.5
27.5°	3391.7
30°	2740.9
32.5°	2112.5
35°	1299.1
37.5°	555.8
40°	197.1
42.5°	181.5
45°	178.1
47.5°	172.0
50°	165.1
52.5°	157.3
55°	149.5
57.5°	141.8
60°	134.0
62.5°	125.3
65°	115.8
67.5°	106.3
70°	95.9
72.5°	84.7
75°	73.5
77.5°	60.5
80°	47.5
82.5°	33.7
85°	19.9
87.5°	6.9
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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