

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: P750507

Luminaire Tested: LD4D55D010-EU4DR7055659027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR7055659027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5629.0 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

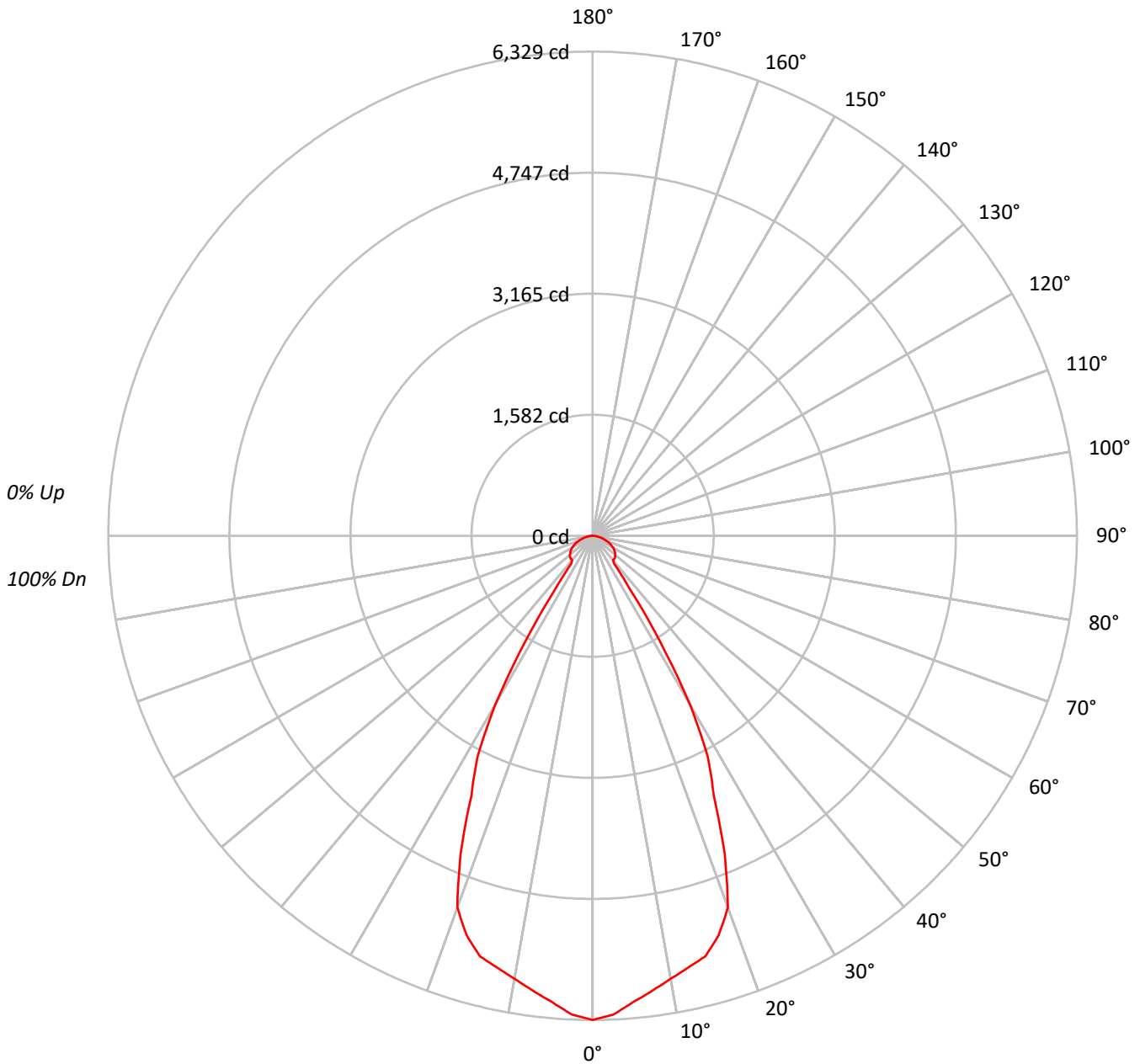
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	691479
5°	670934
10°	652231
15°	643670
20°	601061
25°	451542
30°	319206
35°	113069
40°	59448
45°	63321
50°	65578
55°	66805
60°	67217
65°	65797
70°	62102
75°	57539
80°	51092
85°	41495

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 67248 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	577.0	10.3
10°-20°	1582.7	28.1
20°-30°	1743.1	31.0
30°-40°	666.0	11.8
40°-50°	314.4	5.6
50°-60°	312.6	5.6
60°-70°	250.3	4.4
70°-80°	143.9	2.6
80°-90°	39.1	0.7
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°	3902.7	69.3
0°-40°	4568.7	81.2
0°-60°	5195.8	92.3
0°-90°	5629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5629.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6329	
5°	6117	577
15°	5690	1583
25°	3746	1743
35°	848	666
45°	410	314
55°	351	313
65°	254	250
75°	136	144
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6328.7
2.5°	6262.5
5°	6117.3
7.5°	5996.0
10°	5878.8
12.5°	5779.6
15°	5690.4
17.5°	5475.0
20°	5169.4
22.5°	4510.0
25°	3745.5
27.5°	3260.5
30°	2530.1
32.5°	1634.3
35°	847.7
37.5°	457.9
40°	416.8
42.5°	413.8
45°	409.8
47.5°	400.8
50°	385.8
52.5°	368.7
55°	350.7
57.5°	330.7
60°	307.6
62.5°	281.6
65°	254.5
67.5°	224.4
70°	194.4
72.5°	164.3
75°	136.3
77.5°	107.2
80°	81.2
82.5°	57.1
85°	33.1
87.5°	13.0
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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