

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: P747318

Luminaire Tested: LD4D35BD010-EU4DR6520359030-4LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P747318
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: LD4D35BD010-EU4DR6520359030-4LBCSSQMMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2812.1 lumens
Efficiency: N/A
Efficacy: 91.3 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

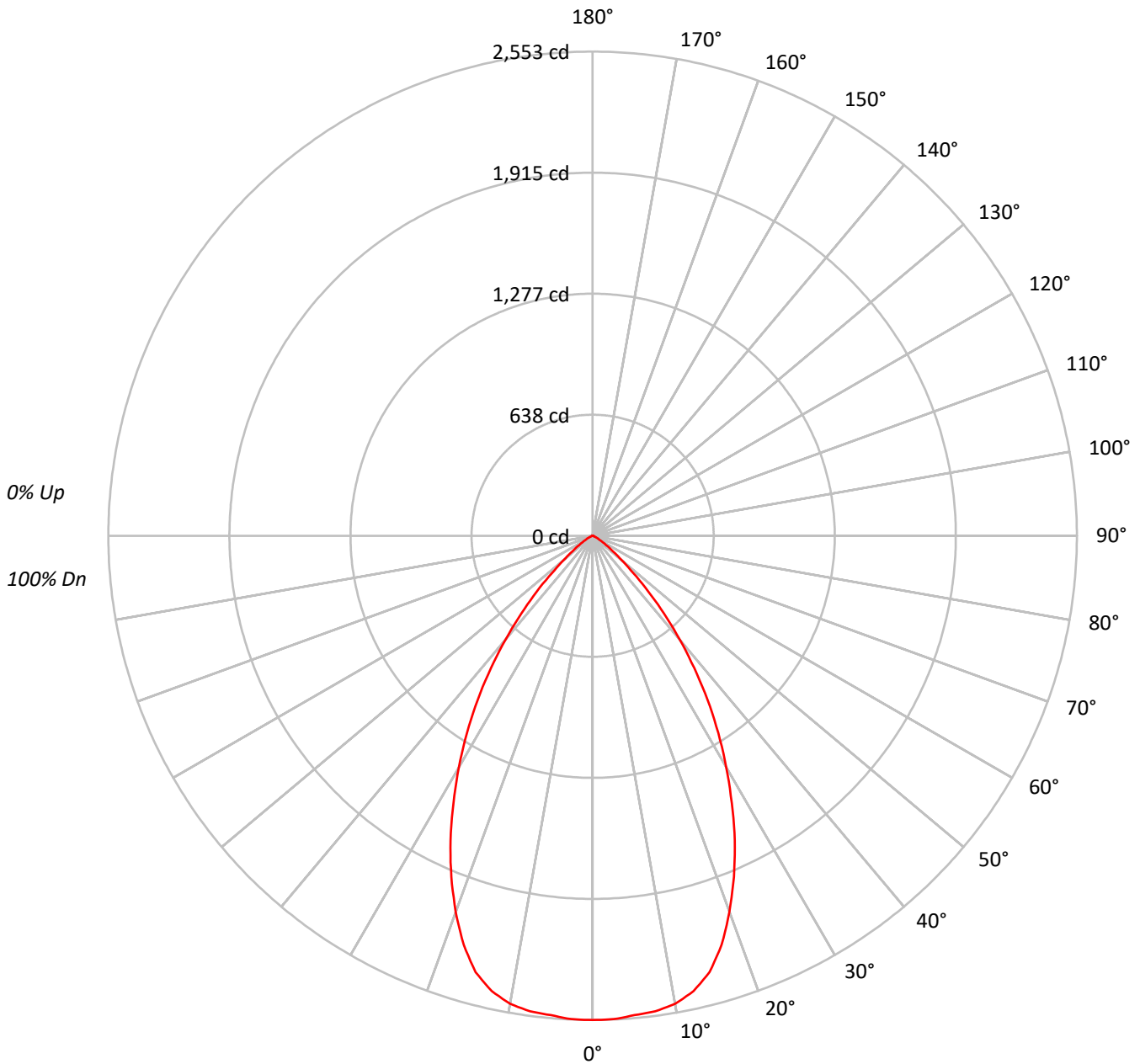
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P747318

CATALOG NUMBER: LD4D35BD010-EU4DR6520359030-4LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P747318

CATALOG NUMBER: LD4D35BD010-EU4DR6520359030-4LBCSSQMMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149123
5°	148742
10°	148618
15°	144038
20°	131129
25°	114268
30°	95042
35°	75305
40°	54352
45°	34335
50°	17899
55°	9510
60°	4999
65°	2750
70°	1161
75°	1264
80°	874
85°	737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34335 cd/sqm



TEST NUMBER: P747318

CATALOG NUMBER: LD4D35BD010-EU4DR6520359030-4LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	8.6
10°-20°	661.2	23.5
20°-30°	808.2	28.7
30°-40°	655.8	23.3
40°-50°	326.8	11.6
50°-60°	91.1	3.2
60°-70°	20.7	0.7
70°-80°	5.4	0.2
80°-90°	1.4	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°	1710.9	60.8
0°-40°	2366.6	84.2
0°-60°	2784.6	99.0
0°-90°	2812.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2812.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2553	
5°	2537	241
15°	2382	661
25°	1773	808
35°	1056	656
45°	416	327
55°	93	91
65°	20	21
75°	6	5
85°	1	1
90°	0	



TEST NUMBER: P747318

CATALOG NUMBER: LD4D35BD010-EU4DR6520359030-4LBCSSQMMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2553.3
2.5°	2551.4
5°	2537.1
7.5°	2528.9
10°	2506.0
12.5°	2459.5
15°	2382.2
17.5°	2261.4
20°	2109.8
22.5°	1946.2
25°	1773.2
27.5°	1588.2
30°	1409.3
32.5°	1232.5
35°	1056.2
37.5°	880.2
40°	712.9
42.5°	556.1
45°	415.7
47.5°	289.7
50°	197.0
52.5°	135.8
55°	93.4
57.5°	63.0
60°	42.8
62.5°	29.6
65°	19.9
67.5°	10.1
70°	6.8
72.5°	6.4
75°	5.6
77.5°	3.8
80°	2.6
82.5°	1.9
85°	1.1
87.5°	0.8
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

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

Scaled Data Report



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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)