

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



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: P747644

Luminaire Tested: LD4D40BD010-EU4DR3540509035-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P747644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D40BD010-EU4DR3540509035-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3553.3 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

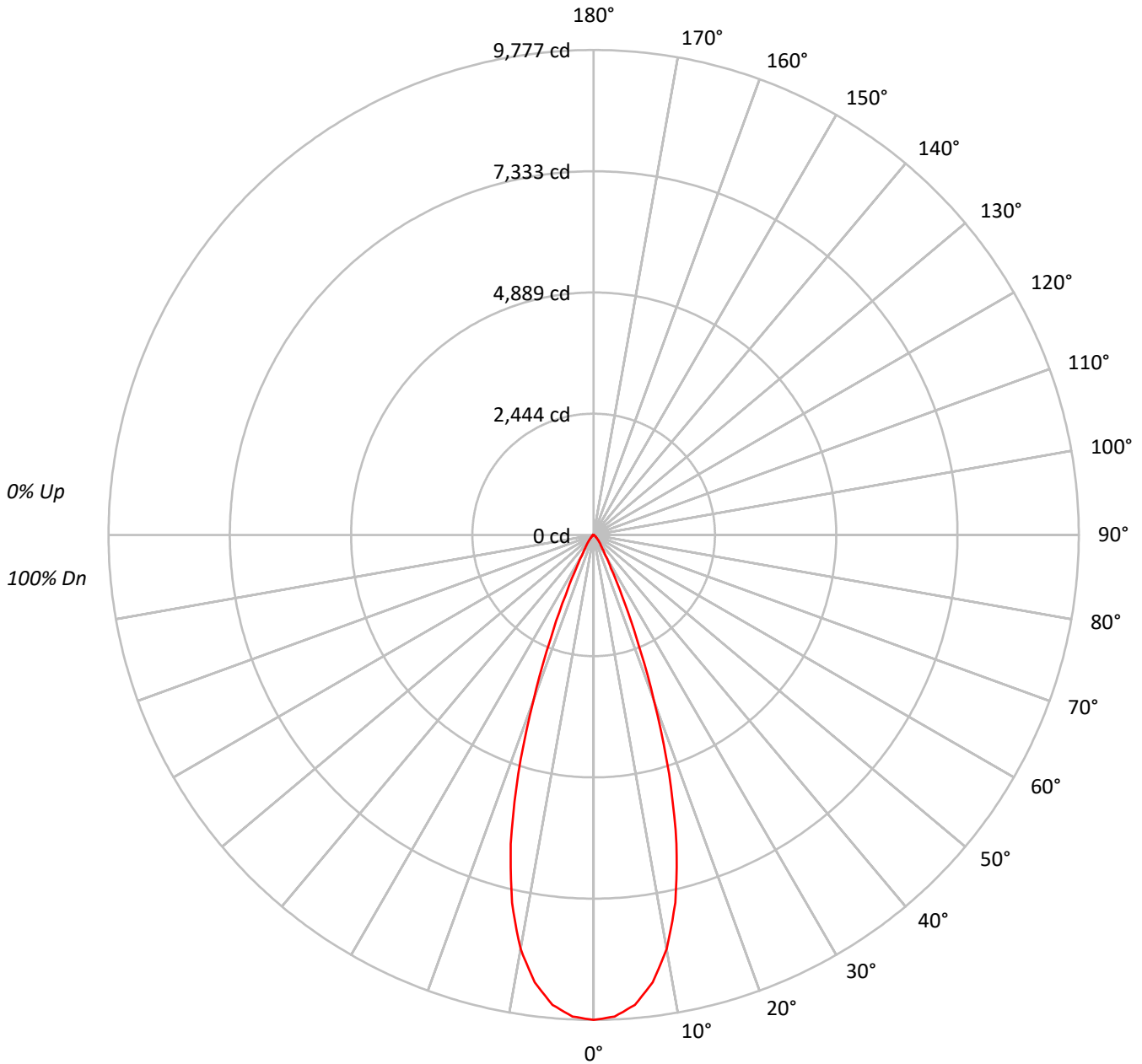
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P747644

CATALOG NUMBER: LD4D40BD010-EU4DR3540509035-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P747644

CATALOG NUMBER: LD4D40BD010-EU4DR3540509035-4LBCSSQMW

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88			
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81			
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75			
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72			
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70			
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1068242
5°	1043138
10°	940148
15°	729705
20°	413873
25°	161014
30°	60066
35°	32932
40°	21523
45°	13103
50°	8346
55°	5886
60°	4305
65°	2353
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13103 cd/sqm



TEST NUMBER: P747644

CATALOG NUMBER: LD4D40BD010-EU4DR3540509035-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.7	24.6
10°-20°	1707.8	48.1
20°-30°	696.5	19.6
30°-40°	166.7	4.7
40°-50°	69.5	2.0
50°-60°	28.8	0.8
60°-70°	9.0	0.3
70°-80°	0.2	0.0
80°-90°	0.1	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°	3279.1	92.3
0°-40°	3445.8	97.0
0°-60°	3544.0	99.7
0°-90°	3553.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3553.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9777	
5°	9511	875
15°	6451	1708
25°	1336	697
35°	247	167
45°	85	69
55°	31	29
65°	9	9
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P747644

CATALOG NUMBER: LD4D40BD010-EU4DR3540509035-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9777.0
2.5°	9718.4
5°	9510.9
7.5°	9097.2
10°	8473.9
12.5°	7596.3
15°	6451.0
17.5°	5050.3
20°	3559.5
22.5°	2269.8
25°	1335.6
27.5°	755.0
30°	476.1
32.5°	334.3
35°	246.9
37.5°	190.9
40°	150.9
42.5°	116.2
45°	84.8
47.5°	63.4
50°	49.1
52.5°	38.9
55°	30.9
57.5°	25.1
60°	19.7
62.5°	14.4
65°	9.1
67.5°	3.2
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.5
85°	0.0
87.5°	0.0
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

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)