

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: P747771

Luminaire Tested: LD4D40BD010-EU4DR4540509024-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P747771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D40BD010-EU4DR4540509024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

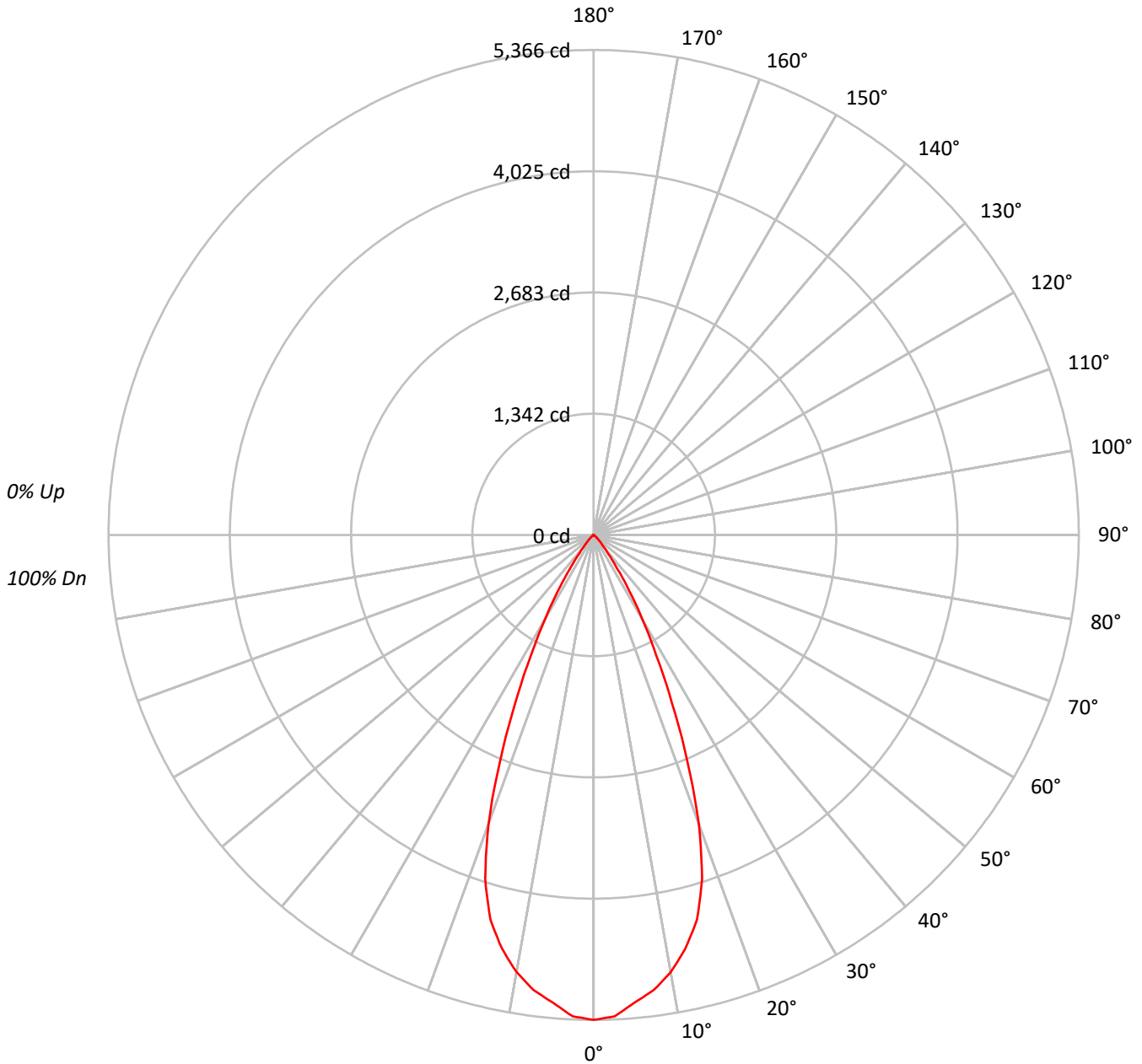
Lumens per Lamp: N/A
Luminaire Lumens: 3035.7 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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: P747771
CATALOG NUMBER: LD4D40BD010-EU4DR4540509024-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P747771

CATALOG NUMBER: LD4D40BD010-EU4DR4540509024-4LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95					95			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90					90			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85					85			
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81					81			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77					77			
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73					73			
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69					69			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66					66			
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63					63			
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60					60			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	586260
5°	569569
10°	544924
15°	498713
20°	395653
25°	247019
30°	136143
35°	61129
40°	24076
45°	11342
50°	5388
55°	2819
60°	1377
65°	336
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11342 cd/sqm



TEST NUMBER: P747771

CATALOG NUMBER: LD4D40BD010-EU4DR4540509024-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.9	16.1
10°-20°	1200.9	39.6
20°-30°	951.0	31.3
30°-40°	316.7	10.4
40°-50°	62.9	2.1
50°-60°	14.3	0.5
60°-70°	2.1	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	2639.8	87.0
0°-40°	2956.5	97.4
0°-60°	3033.6	99.9
0°-90°	3035.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3035.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5366	
5°	5193	488
15°	4409	1201
25°	2049	951
35°	458	317
45°	73	63
55°	15	14
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P747771

CATALOG NUMBER: LD4D40BD010-EU4DR4540509024-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5365.7
2.5°	5330.7
5°	5193.1
7.5°	5079.6
10°	4911.6
12.5°	4687.9
15°	4408.9
17.5°	3989.4
20°	3402.8
22.5°	2703.9
25°	2049.0
27.5°	1500.3
30°	1079.1
32.5°	733.9
35°	458.3
37.5°	271.8
40°	168.8
42.5°	111.0
45°	73.4
47.5°	47.3
50°	31.7
52.5°	21.1
55°	14.8
57.5°	9.7
60°	6.3
62.5°	3.4
65°	1.3
67.5°	0.4
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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)