

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: P747993

Luminaire Tested: LD4D40BD010-EU4DR6040509024-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P747993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D40BD010-EU4DR6040509024-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

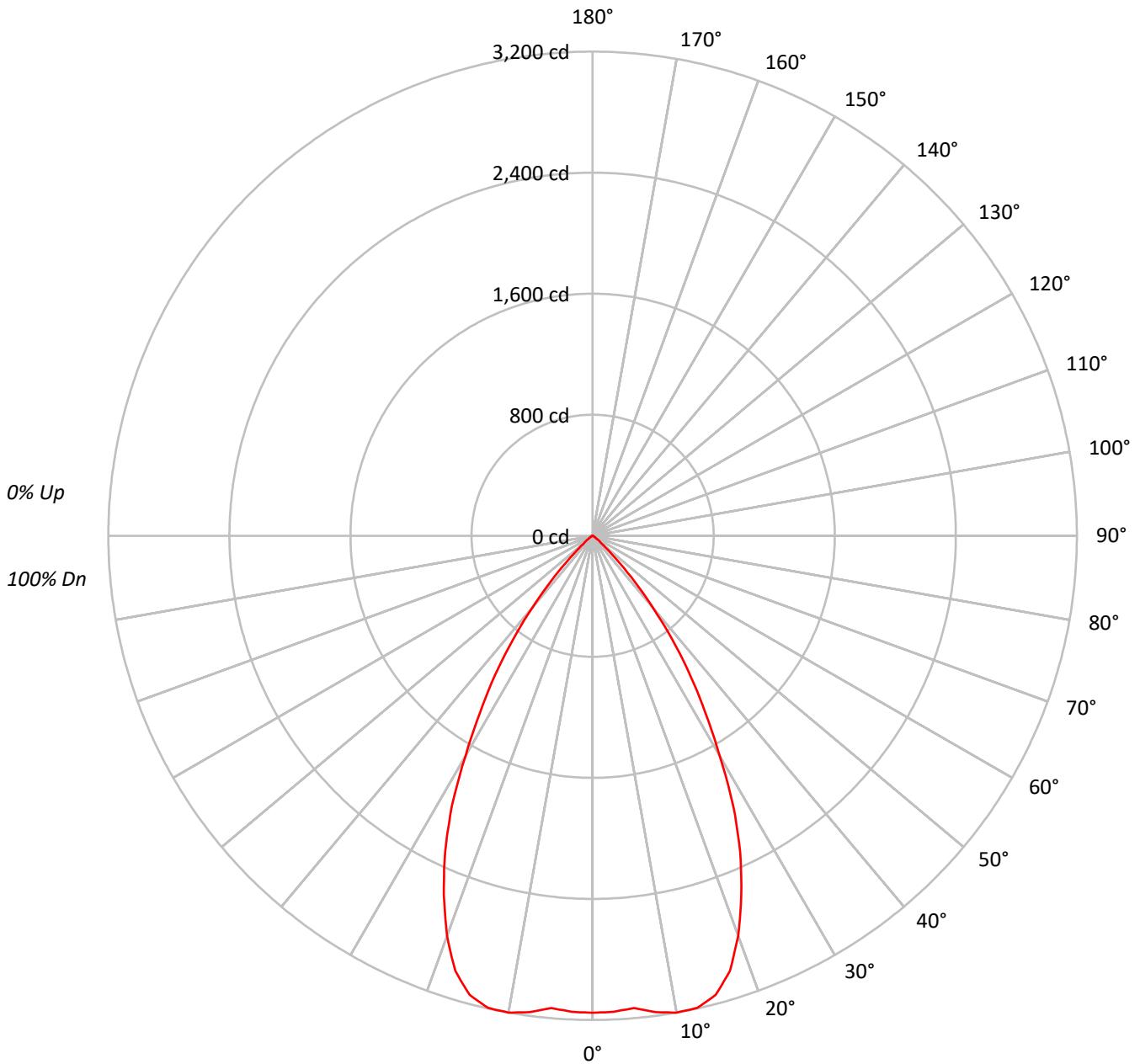
Lumens per Lamp: N/A
Luminaire Lumens: 3150.2 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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: P747993
CATALOG NUMBER: LD4D40BD010-EU4DR6040509024-4LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P747993

CATALOG NUMBER: LD4D40BD010-EU4DR6040509024-4LBCSSQMB

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	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	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94					94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87					87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81					81			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75					75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70					70			
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65					65			
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61					61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57					57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53					53			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50					50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	344445
5°	343600
10°	355017
15°	355385
20°	326994
25°	278122
30°	211929
35°	149869
40°	88003
45°	35508
50°	11848
55°	5715
60°	2338
65°	336
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35508 cd/sqm



TEST NUMBER: P747993

CATALOG NUMBER: LD4D40BD010-EU4DR6040509024-4LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.2	9.6
10°-20°	870.4	27.6
20°-30°	1041.7	33.1
30°-40°	696.8	22.1
40°-50°	206.6	6.6
50°-60°	29.7	0.9
60°-70°	2.8	0.1
70°-80°	0.0	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°	2214.3	70.3
0°-40°	2911.1	92.4
0°-60°	3147.4	99.9
0°-90°	3150.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3150.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3152	
5°	3133	302
15°	3142	870
25°	2307	1042
35°	1124	697
45°	230	207
55°	30	30
65°	1	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P747993

CATALOG NUMBER: LD4D40BD010-EU4DR6040509024-4LBCSSQMB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3152.5
2.5°	3148.5
5°	3132.8
7.5°	3175.3
10°	3199.9
12.5°	3195.4
15°	3141.8
17.5°	3015.2
20°	2812.3
22.5°	2568.6
25°	2307.0
27.5°	2012.4
30°	1679.8
32.5°	1382.9
35°	1123.6
37.5°	863.8
40°	617.0
42.5°	406.9
45°	229.8
47.5°	117.6
50°	69.7
52.5°	45.2
55°	30.0
57.5°	19.2
60°	10.7
62.5°	4.5
65°	1.3
67.5°	0.4
70°	0.0
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)