

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: P750514

Luminaire Tested: LD4D55D010-EU4DR7055659027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750514
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-EU4DR7055659027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

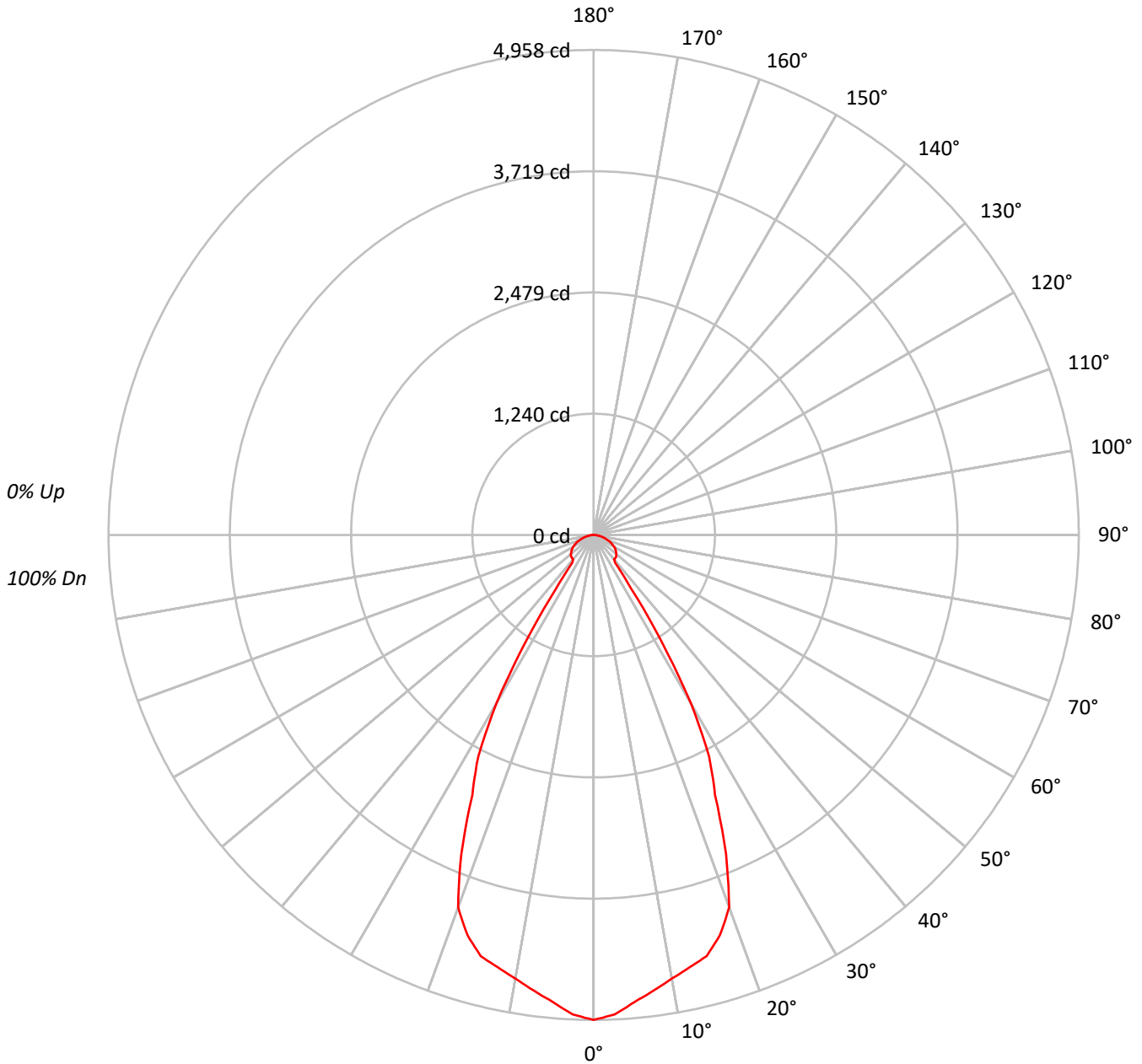
Lumens per Lamp: N/A
Luminaire Lumens: 4410.4 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (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: P750514
CATALOG NUMBER: LD4D55D010-EU4DR7055659027-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P750514

CATALOG NUMBER: LD4D55D010-EU4DR7055659027-4LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	541769
5°	525676
10°	511019
15°	504312
20°	470928
25°	353783
30°	250094
35°	88593
40°	46583
45°	49616
50°	51385
55°	52347
60°	52664
65°	51551
70°	48653
75°	45086
80°	40018
85°	32469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 52688 cd/sqm



TEST NUMBER: P750514

CATALOG NUMBER: LD4D55D010-EU4DR7055659027-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.1	10.3
10°-20°	1240.0	28.1
20°-30°	1365.7	31.0
30°-40°	521.8	11.8
40°-50°	246.4	5.6
50°-60°	245.0	5.6
60°-70°	196.1	4.4
70°-80°	112.7	2.6
80°-90°	30.6	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°	3057.8	69.3
0°-40°	3579.6	81.2
0°-60°	4070.9	92.3
0°-90°	4410.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4410.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4958	
5°	4793	452
15°	4458	1240
25°	2935	1366
35°	664	522
45°	321	246
55°	275	245
65°	199	196
75°	107	113
85°	26	31
90°	0	



TEST NUMBER: P750514

CATALOG NUMBER: LD4D55D010-EU4DR7055659027-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4958.5
2.5°	4906.7
5°	4792.9
7.5°	4697.9
10°	4606.0
12.5°	4528.3
15°	4458.4
17.5°	4289.6
20°	4050.2
22.5°	3533.6
25°	2934.6
27.5°	2554.6
30°	1982.3
32.5°	1280.4
35°	664.2
37.5°	358.8
40°	326.6
42.5°	324.2
45°	321.1
47.5°	314.0
50°	302.3
52.5°	288.9
55°	274.8
57.5°	259.1
60°	241.0
62.5°	220.6
65°	199.4
67.5°	175.9
70°	152.3
72.5°	128.8
75°	106.8
77.5°	84.0
80°	63.6
82.5°	44.7
85°	25.9
87.5°	10.2
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)