

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: P750553

Luminaire Tested: LD4D55D010-EU4DR7055659040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750553
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-EU4DR7055659040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

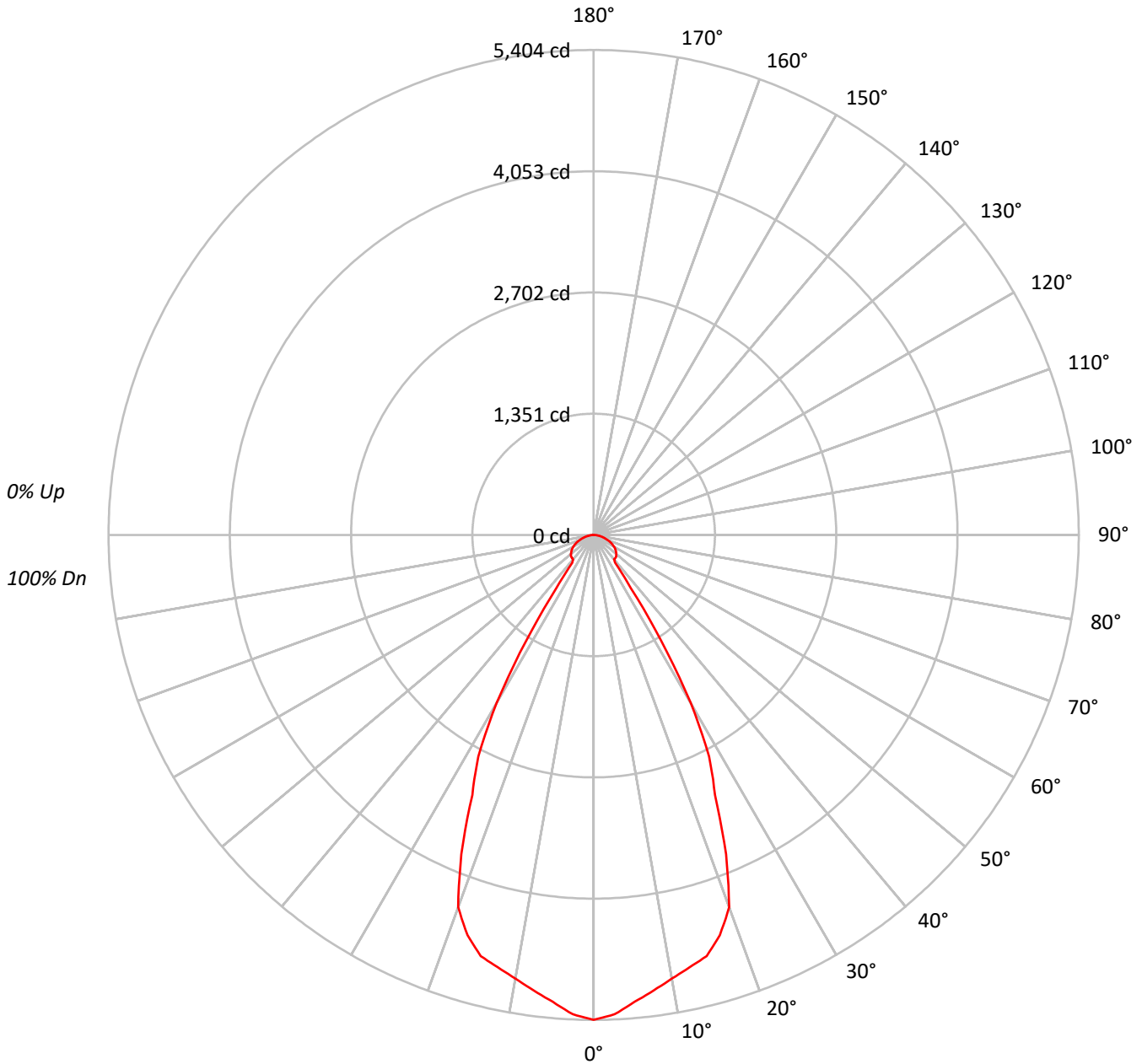
Lumens per Lamp: N/A
Luminaire Lumens: 4806.1 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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: P750553
CATALOG NUMBER: LD4D55D010-EU4DR7055659040-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P750553

CATALOG NUMBER: LD4D55D010-EU4DR7055659040-4LBSQW1MW

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°	590390
5°	572849
10°	556884
15°	549570
20°	513194
25°	385538
30°	272538
35°	96542
40°	50762
45°	54066
50°	55991
55°	57033
60°	57384
65°	56179
70°	53030
75°	49138
80°	43604
85°	35352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 57406 cd/sqm



TEST NUMBER: P750553

CATALOG NUMBER: LD4D55D010-EU4DR7055659040-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.6	10.3
10°-20°	1351.3	28.1
20°-30°	1488.3	31.0
30°-40°	568.6	11.8
40°-50°	268.5	5.6
50°-60°	266.9	5.6
60°-70°	213.7	4.4
70°-80°	122.8	2.6
80°-90°	33.4	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°	3332.2	69.3
0°-40°	3900.8	81.2
0°-60°	4436.2	92.3
0°-90°	4806.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4806.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5404	
5°	5223	493
15°	4858	1351
25°	3198	1488
35°	724	569
45°	350	268
55°	299	267
65°	217	214
75°	116	123
85°	28	33
90°	0	



TEST NUMBER: P750553

CATALOG NUMBER: LD4D55D010-EU4DR7055659040-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5403.5
2.5°	5347.0
5°	5223.0
7.5°	5119.5
10°	5019.4
12.5°	4934.7
15°	4858.5
17.5°	4674.6
20°	4413.7
22.5°	3850.7
25°	3198.0
27.5°	2783.9
30°	2160.2
32.5°	1395.4
35°	723.8
37.5°	391.0
40°	355.9
42.5°	353.3
45°	349.9
47.5°	342.2
50°	329.4
52.5°	314.8
55°	299.4
57.5°	282.3
60°	262.6
62.5°	240.4
65°	217.3
67.5°	191.6
70°	166.0
72.5°	140.3
75°	116.4
77.5°	91.5
80°	69.3
82.5°	48.8
85°	28.2
87.5°	11.1
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)