

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: P751957

Luminaire Tested: LD4D65D010-EU4DR6055659040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR6055659040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

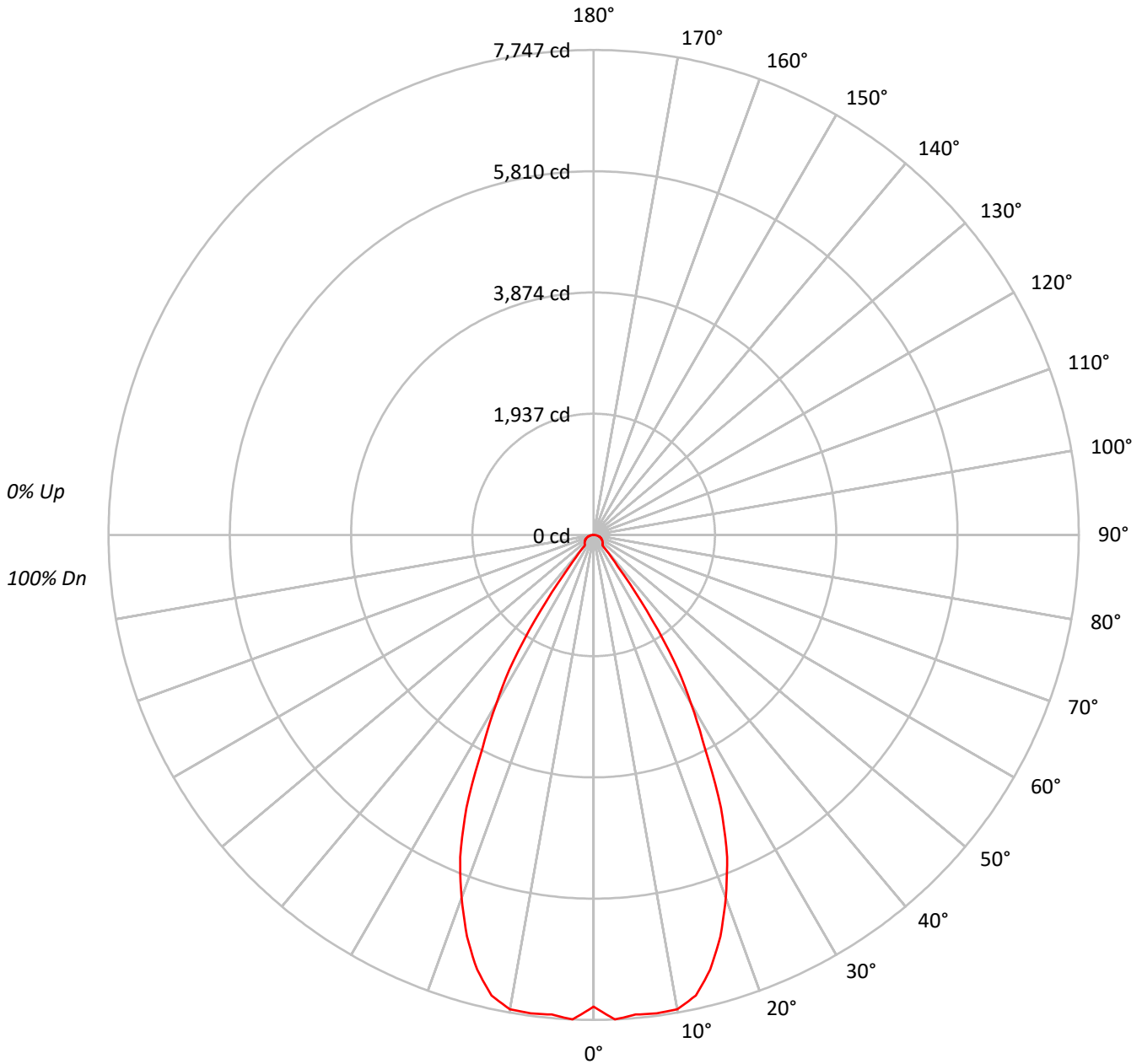
Lumens per Lamp: N/A
Luminaire Lumens: 6345.1 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
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: P751957
CATALOG NUMBER: LD4D65D010-EU4DR6055659040-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P751957

CATALOG NUMBER: LD4D65D010-EU4DR6055659040-4LBSQW1MW

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	823345
5°	843589
10°	853787
15°	813343
20°	717113
25°	580031
30°	392343
35°	196606
40°	31892
45°	31213
50°	31837
55°	32326
60°	33215
65°	33971
70°	34789
75°	35207
80°	33914
85°	28332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 35207 cd/sqm



TEST NUMBER: P751957

CATALOG NUMBER: LD4D65D010-EU4DR6055659040-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.1	11.6
10°-20°	1988.9	31.3
20°-30°	2139.9	33.7
30°-40°	930.2	14.7
40°-50°	156.2	2.5
50°-60°	151.9	2.4
60°-70°	129.9	2.0
70°-80°	86.9	1.4
80°-90°	26.0	0.4
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°	4863.9	76.7
0°-40°	5794.1	91.3
0°-60°	6102.2	96.2
0°-90°	6345.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6345.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7536	
5°	7692	735
15°	7190	1989
25°	4811	2140
35°	1474	930
45°	202	156
55°	170	152
65°	131	130
75°	83	87
85°	23	26
90°	0	



TEST NUMBER: P751957

CATALOG NUMBER: LD4D65D010-EU4DR6055659040-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7535.6
2.5°	7747.4
5°	7691.5
7.5°	7709.2
10°	7695.5
12.5°	7536.6
15°	7190.4
17.5°	6725.6
20°	6167.5
22.5°	5570.3
25°	4811.3
27.5°	3848.2
30°	3109.8
32.5°	2396.8
35°	1474.0
37.5°	630.6
40°	223.6
42.5°	205.9
45°	202.0
47.5°	195.2
50°	187.3
52.5°	178.5
55°	169.7
57.5°	160.8
60°	152.0
62.5°	142.2
65°	131.4
67.5°	120.6
70°	108.9
72.5°	96.1
75°	83.4
77.5°	68.6
80°	53.9
82.5°	38.2
85°	22.6
87.5°	7.8
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)