

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: P745548

Luminaire Tested: LD4D25D010-EU4DR6020359035-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745548
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: LD4D25D010-EU4DR6020359035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2267.6 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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



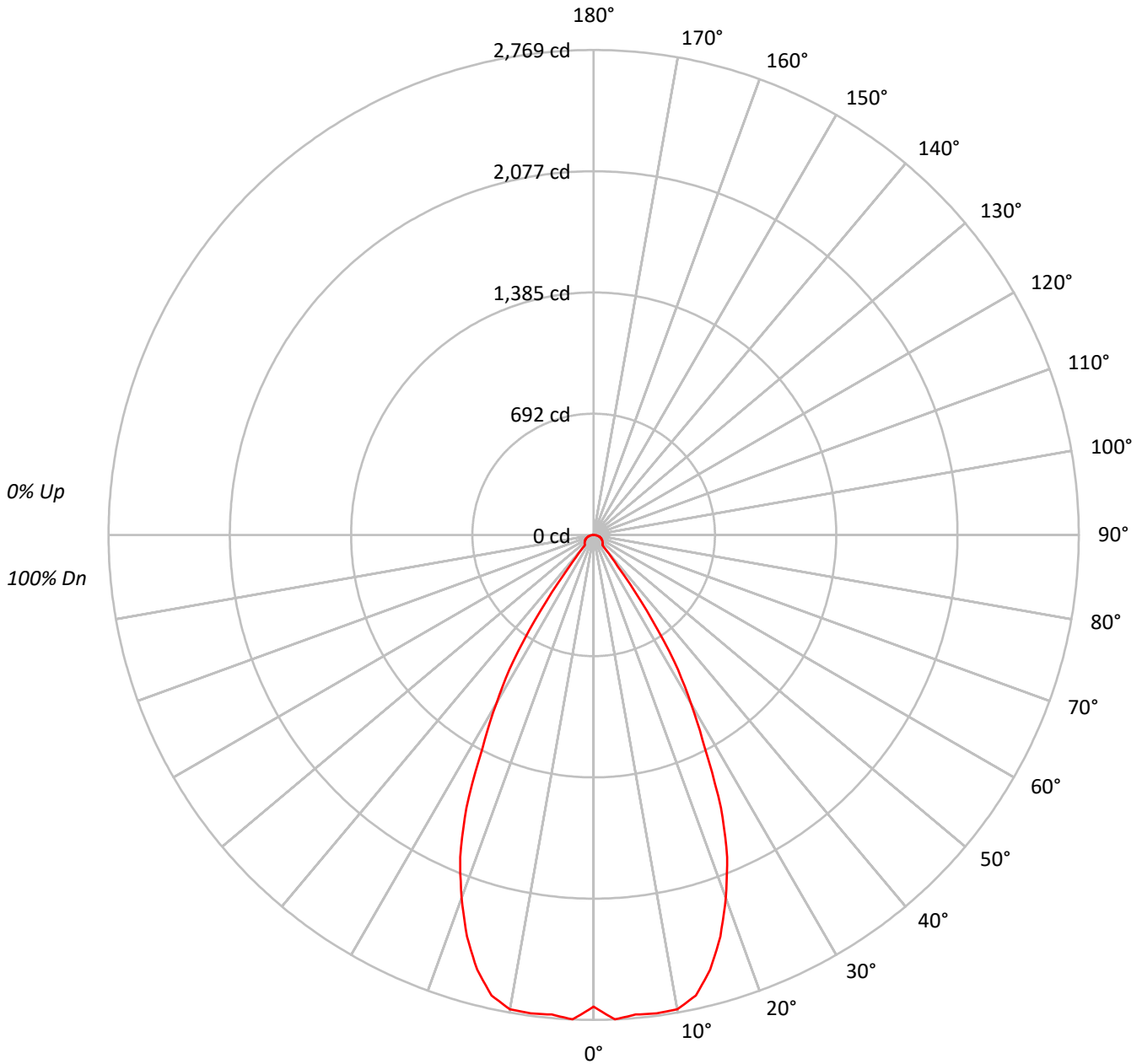
Downlight



TEST NUMBER: P745548

CATALOG NUMBER: LD4D25D010-EU4DR6020359035-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P745548
 CATALOG NUMBER: LD4D25D010-EU4DR6020359035-4LBSQW1MW

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°	294239
5°	301472
10°	305113
15°	290660
20°	256277
25°	207284
30°	140218
35°	70266
40°	11396
45°	11156
50°	11372
55°	11544
60°	11866
65°	12151
70°	12427
75°	12580
80°	12144
85°	10154

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 12580 cd/sqm



TEST NUMBER: P745548

CATALOG NUMBER: LD4D25D010-EU4DR6020359035-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.7	11.6
10°-20°	710.8	31.3
20°-30°	764.8	33.7
30°-40°	332.4	14.7
40°-50°	55.8	2.5
50°-60°	54.3	2.4
60°-70°	46.4	2.0
70°-80°	31.1	1.4
80°-90°	9.3	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°	1738.2	76.7
0°-40°	2070.7	91.3
0°-60°	2180.8	96.2
0°-90°	2267.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2267.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2693	
5°	2749	263
15°	2570	711
25°	1719	765
35°	527	332
45°	72	56
55°	61	54
65°	47	46
75°	30	31
85°	8	9
90°	0	



TEST NUMBER: P745548

CATALOG NUMBER: LD4D25D010-EU4DR6020359035-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2693.0
2.5°	2768.7
5°	2748.7
7.5°	2755.0
10°	2750.1
12.5°	2693.3
15°	2569.6
17.5°	2403.5
20°	2204.1
22.5°	1990.7
25°	1719.4
27.5°	1375.3
30°	1111.4
32.5°	856.6
35°	526.8
37.5°	225.3
40°	79.9
42.5°	73.6
45°	72.2
47.5°	69.7
50°	66.9
52.5°	63.8
55°	60.6
57.5°	57.5
60°	54.3
62.5°	50.8
65°	47.0
67.5°	43.1
70°	38.9
72.5°	34.3
75°	29.8
77.5°	24.5
80°	19.3
82.5°	13.7
85°	8.1
87.5°	2.8
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)