

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: P745616

Luminaire Tested: LD4D25D010-EU4DR6520359035-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR6520359035-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2254.8 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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



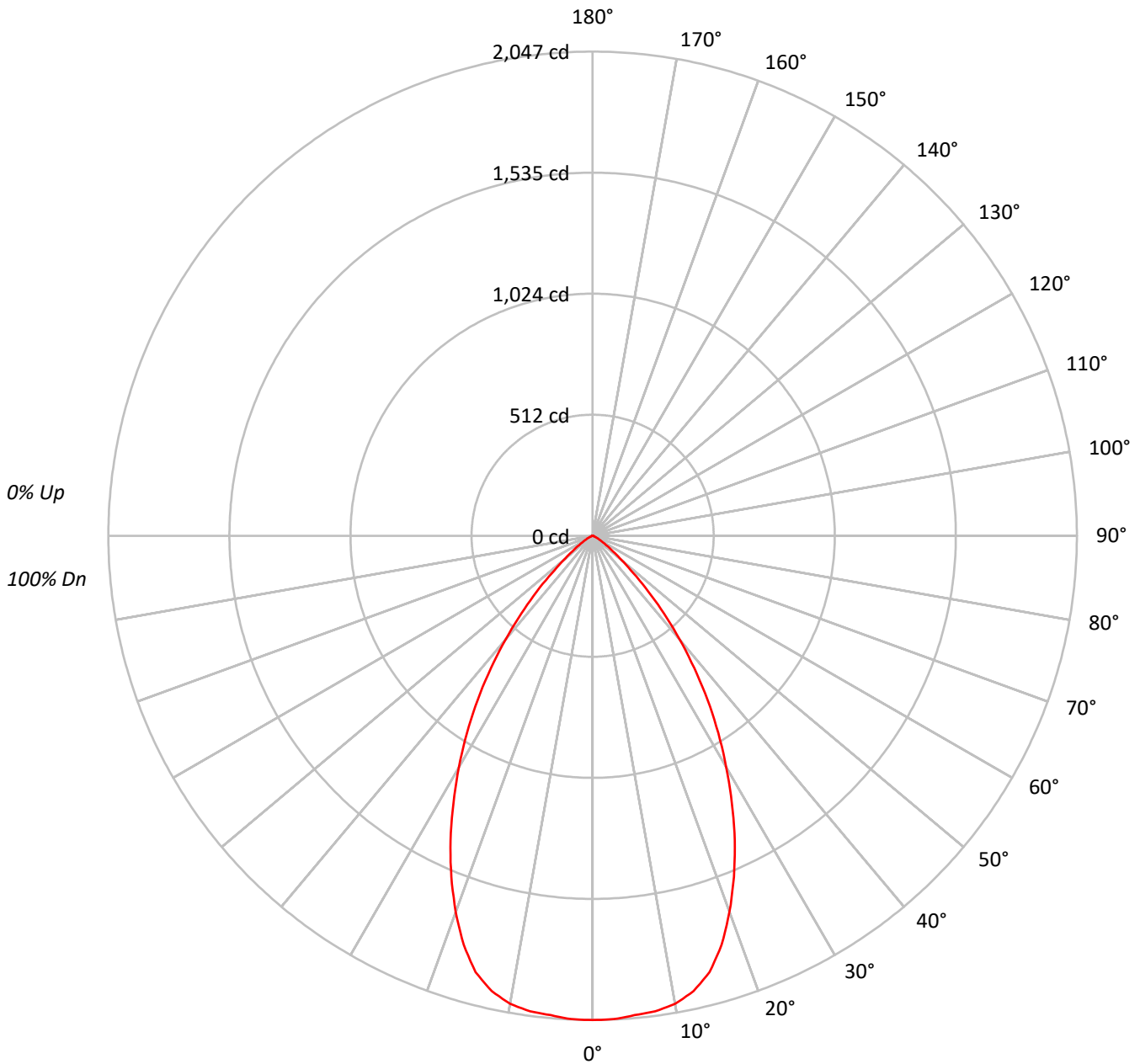
Downlight



TEST NUMBER: P745616

CATALOG NUMBER: LD4D25D010-EU4DR6520359035-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P745616

CATALOG NUMBER: LD4D25D010-EU4DR6520359035-4LBCSSQMW

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				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119570
5°	119271
10°	119167
15°	115499
20°	105143
25°	91623
30°	76206
35°	60382
40°	43579
45°	27529
50°	14356
55°	7627
60°	4007
65°	2197
70°	922
75°	1015
80°	706
85°	603

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27529 cd/sqm



TEST NUMBER: P745616

CATALOG NUMBER: LD4D25D010-EU4DR6520359035-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.6	8.6
10°-20°	530.2	23.5
20°-30°	648.1	28.7
30°-40°	525.8	23.3
40°-50°	262.0	11.6
50°-60°	73.1	3.2
60°-70°	16.6	0.7
70°-80°	4.3	0.2
80°-90°	1.1	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°	1371.9	60.8
0°-40°	1897.7	84.2
0°-60°	2232.8	99.0
0°-90°	2254.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2254.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2047	
5°	2034	194
15°	1910	530
25°	1422	648
35°	847	526
45°	333	262
55°	75	73
65°	16	17
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P745616

CATALOG NUMBER: LD4D25D010-EU4DR6520359035-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2047.3
2.5°	2045.8
5°	2034.4
7.5°	2027.8
10°	2009.4
12.5°	1972.1
15°	1910.2
17.5°	1813.3
20°	1691.7
22.5°	1560.5
25°	1421.8
27.5°	1273.5
30°	1130.0
32.5°	988.3
35°	846.9
37.5°	705.8
40°	571.6
42.5°	445.9
45°	333.3
47.5°	232.3
50°	158.0
52.5°	108.9
55°	74.9
57.5°	50.5
60°	34.3
62.5°	23.8
65°	15.9
67.5°	8.1
70°	5.4
72.5°	5.1
75°	4.5
77.5°	3.0
80°	2.1
82.5°	1.5
85°	0.9
87.5°	0.6
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)