

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: P745650

Luminaire Tested: LD4D25D010-EU4DR6520359050-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745650
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-EU4DR6520359050-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2238.9 lumens
Efficiency: N/A
Efficacy: 89.2 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 (A_{in}): 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

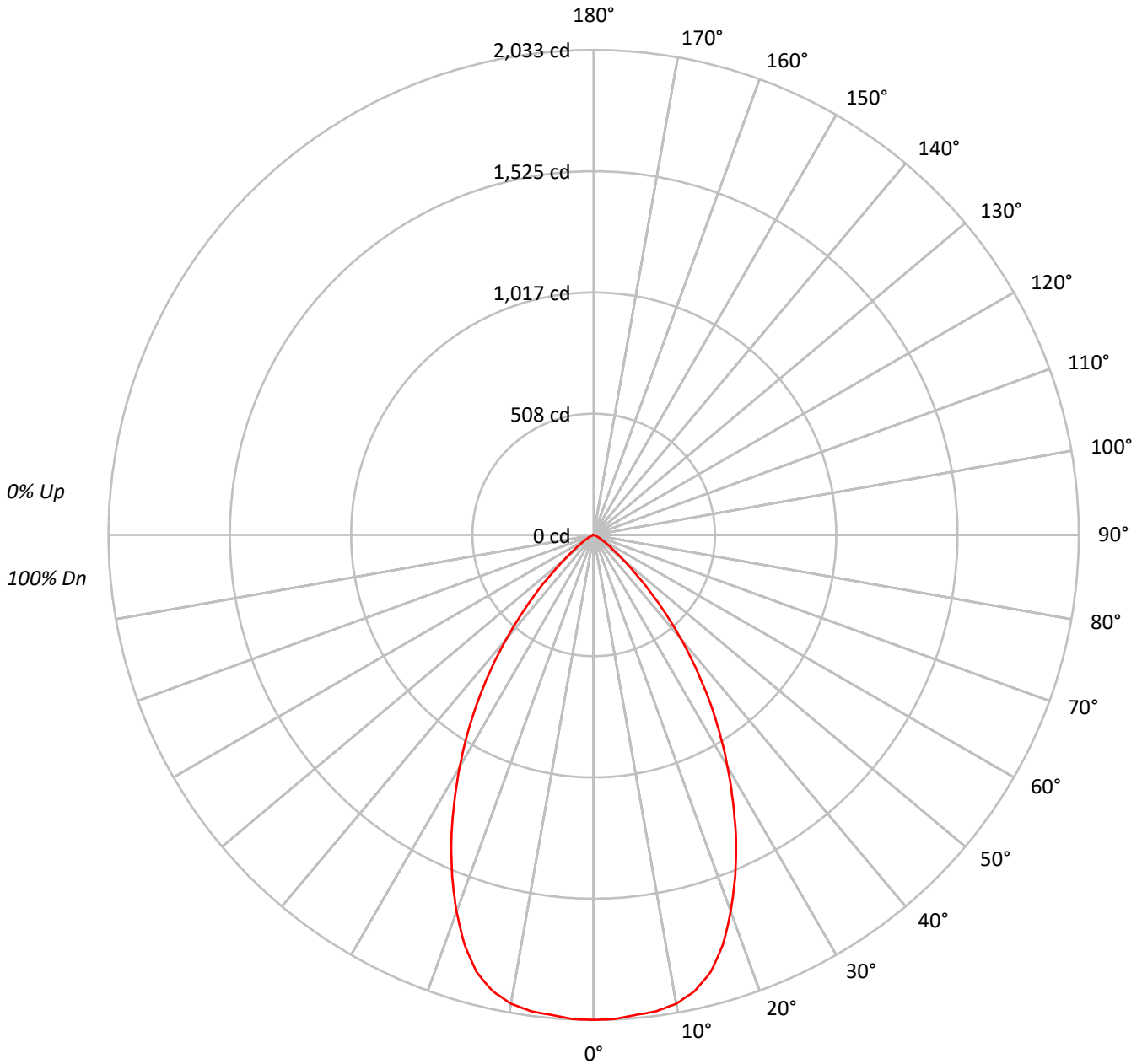


Downlight



TEST NUMBER: P745650
CATALOG NUMBER: LD4D25D010-EU4DR6520359050-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P745650

CATALOG NUMBER: LD4D25D010-EU4DR6520359050-4LBS1MW

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°	118729
5°	118432
10°	118325
15°	114682
20°	104403
25°	90979
30°	75673
35°	59954
40°	43274
45°	27339
50°	14247
55°	7576
60°	3971
65°	2183
70°	922
75°	1015
80°	706
85°	603

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27339 cd/sqm



TEST NUMBER: P745650

CATALOG NUMBER: LD4D25D010-EU4DR6520359050-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.2	8.6
10°-20°	526.4	23.5
20°-30°	643.5	28.7
30°-40°	522.1	23.3
40°-50°	260.2	11.6
50°-60°	72.6	3.2
60°-70°	16.5	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°	1362.2	60.8
0°-40°	1884.3	84.2
0°-60°	2217.0	99.0
0°-90°	2238.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2238.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2033	
5°	2020	192
15°	1897	526
25°	1412	644
35°	841	522
45°	331	260
55°	74	73
65°	16	16
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P745650
CATALOG NUMBER: LD4D25D010-EU4DR6520359050-4LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2032.9
2.5°	2031.4
5°	2020.1
7.5°	2013.5
10°	1995.2
12.5°	1958.2
15°	1896.7
17.5°	1800.5
20°	1679.8
22.5°	1549.5
25°	1411.8
27.5°	1264.6
30°	1122.1
32.5°	981.4
35°	840.9
37.5°	700.8
40°	567.6
42.5°	442.7
45°	331.0
47.5°	230.6
50°	156.8
52.5°	108.1
55°	74.4
57.5°	50.2
60°	34.0
62.5°	23.6
65°	15.8
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)