

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P745566

Luminaire Tested: LD4D25D010-EU4DR6020359050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745566
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-EU4DR6020359050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2561.8 lumens
Efficiency: N/A
Efficacy: 102.1 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): 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

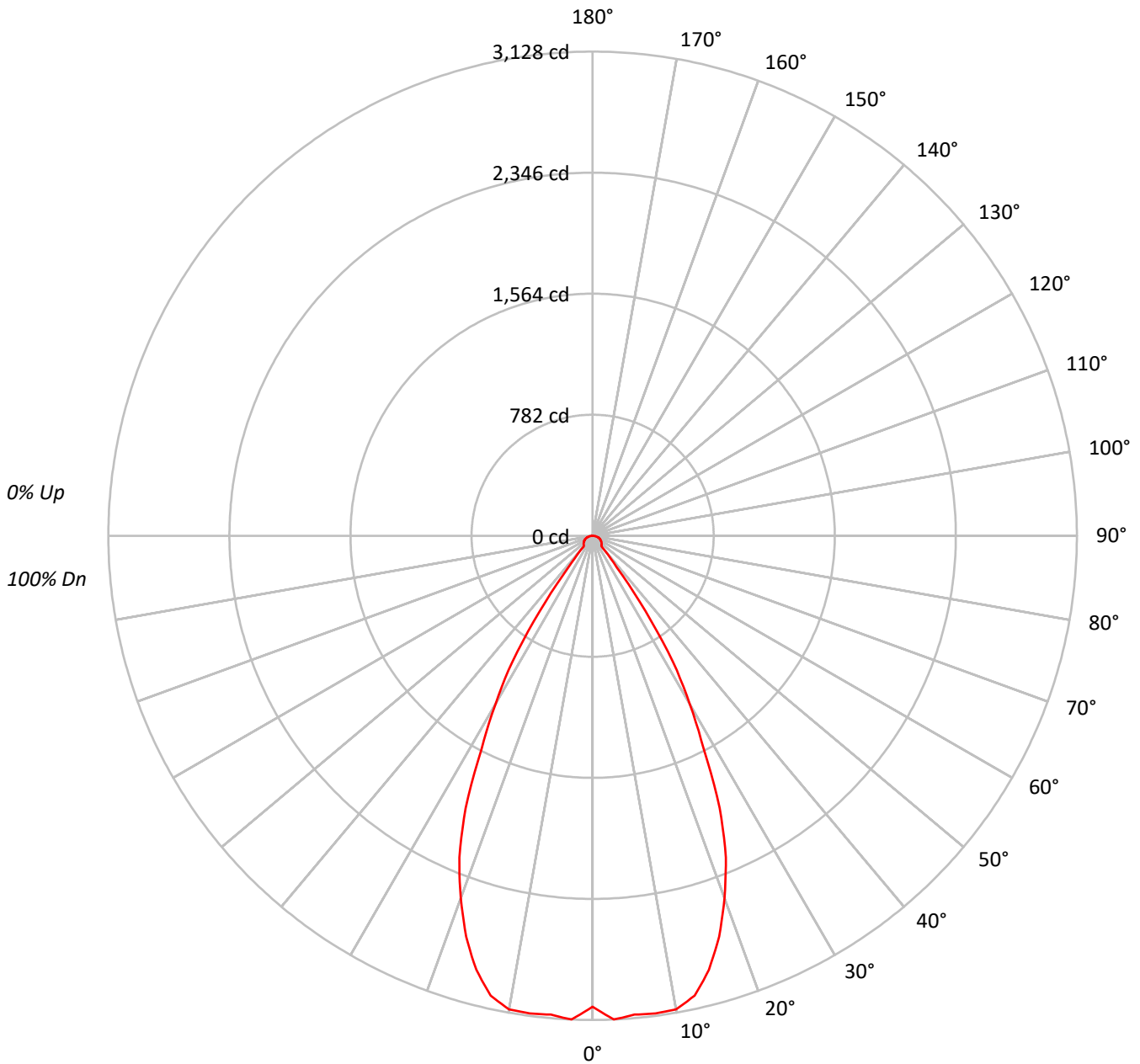


Downlight



TEST NUMBER: P745566
CATALOG NUMBER: LD4D25D010-EU4DR6020359050-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P745566

CATALOG NUMBER: LD4D25D010-EU4DR6020359050-4LBDP1H

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°	332415
5°	340594
10°	344710
15°	328384
20°	289531
25°	234180
30°	158411
35°	79376
40°	12879
45°	12609
50°	12850
55°	13049
60°	13417
65°	13728
70°	14024
75°	14184
80°	13717
85°	11408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14184 cd/sqm



TEST NUMBER: P745566

CATALOG NUMBER: LD4D25D010-EU4DR6020359050-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.8	11.6
10°-20°	803.0	31.3
20°-30°	864.0	33.7
30°-40°	375.6	14.7
40°-50°	63.1	2.5
50°-60°	61.3	2.4
60°-70°	52.5	2.0
70°-80°	35.1	1.4
80°-90°	10.5	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°	1963.8	76.7
0°-40°	2339.3	91.3
0°-60°	2463.7	96.2
0°-90°	2561.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2561.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3042	
5°	3105	297
15°	2903	803
25°	1942	864
35°	595	376
45°	82	63
55°	68	61
65°	53	52
75°	34	35
85°	9	11
90°	0	



TEST NUMBER: P745566
CATALOG NUMBER: LD4D25D010-EU4DR6020359050-4LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	3042.4
2.5°	3128.0
5°	3105.4
7.5°	3112.5
10°	3107.0
12.5°	3042.8
15°	2903.1
17.5°	2715.4
20°	2490.1
22.5°	2248.9
25°	1942.5
27.5°	1553.7
30°	1255.6
32.5°	967.7
35°	595.1
37.5°	254.6
40°	90.3
42.5°	83.1
45°	81.6
47.5°	78.8
50°	75.6
52.5°	72.1
55°	68.5
57.5°	64.9
60°	61.4
62.5°	57.4
65°	53.1
67.5°	48.7
70°	43.9
72.5°	38.8
75°	33.6
77.5°	27.7
80°	21.8
82.5°	15.5
85°	9.1
87.5°	3.2
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)