

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: P745515

Luminaire Tested: LD4D25D010-EU4DR6020359027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745515
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-EU4DR6020359027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2429.9 lumens
Efficiency: N/A
Efficacy: 96.8 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

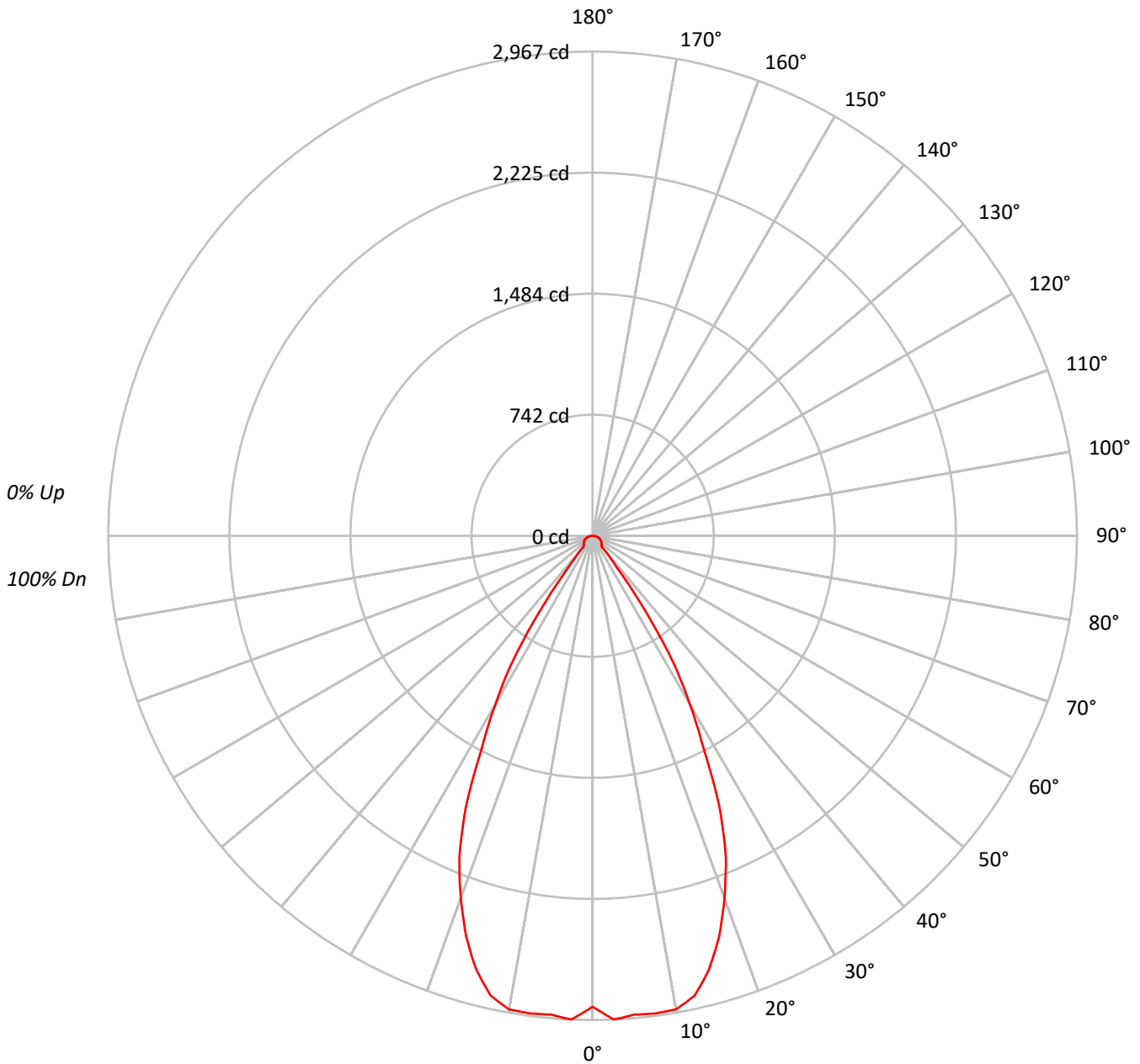


Downlight



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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315305
5°	323057
10°	326959
15°	311485
20°	274625
25°	222124
30°	150248
35°	75295
40°	12223
45°	11944
50°	12188
55°	12382
60°	12718
65°	13004
70°	13321
75°	13467
80°	13025
85°	10907

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 13467 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.5	11.6
10°-20°	761.7	31.3
20°-30°	819.5	33.7
30°-40°	356.2	14.7
40°-50°	59.8	2.5
50°-60°	58.2	2.4
60°-70°	49.7	2.0
70°-80°	33.3	1.4
80°-90°	10.0	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°	1862.7	76.7
0°-40°	2218.9	91.3
0°-60°	2336.9	96.2
0°-90°	2429.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2429.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2886	
5°	2946	282
15°	2754	762
25°	1842	819
35°	564	356
45°	77	60
55°	65	58
65°	50	50
75°	32	33
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2885.8
2.5°	2967.0
5°	2945.5
7.5°	2952.3
10°	2947.0
12.5°	2886.2
15°	2753.7
17.5°	2575.6
20°	2361.9
22.5°	2133.2
25°	1842.5
27.5°	1473.7
30°	1190.9
32.5°	917.9
35°	564.5
37.5°	241.5
40°	85.7
42.5°	78.9
45°	77.3
47.5°	74.7
50°	71.7
52.5°	68.4
55°	65.0
57.5°	61.6
60°	58.2
62.5°	54.4
65°	50.3
67.5°	46.2
70°	41.7
72.5°	36.8
75°	31.9
77.5°	26.3
80°	20.7
82.5°	14.7
85°	8.7
87.5°	3.0
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

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— 0°-180°

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(END OF REPORT)