

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: P745502

Luminaire Tested: LD4D25D010-EU4DR6020359024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745502
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-EU4DR6020359024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2188.9 lumens
Efficiency: N/A
Efficacy: 87.2 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 (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

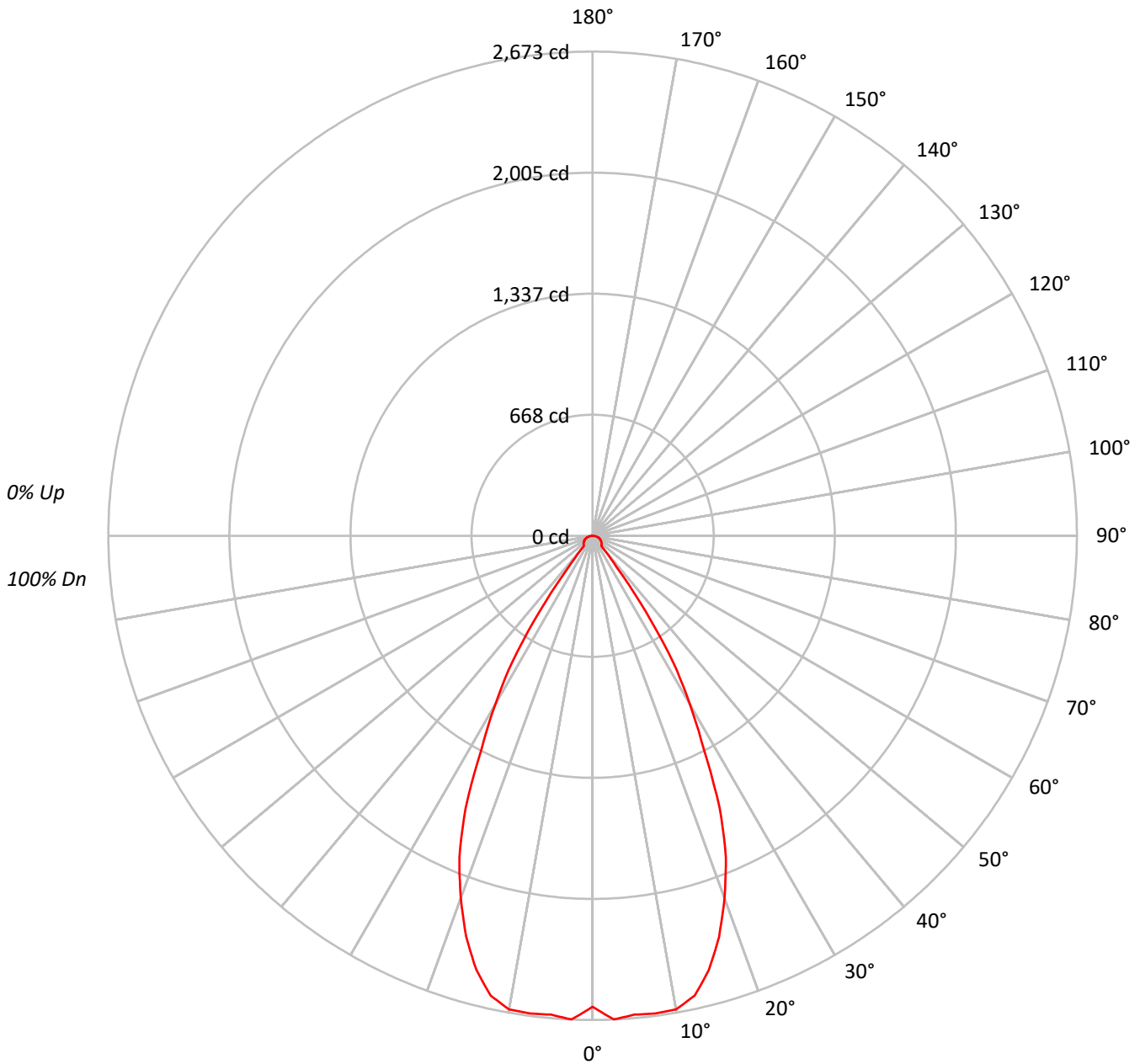


Downlight



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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°	284034
5°	291020
10°	294540
15°	280593
20°	247394
25°	200099
30°	135348
35°	67825
40°	10997
45°	10770
50°	10981
55°	11163
60°	11451
65°	11712
70°	11980
75°	12158
80°	11703
85°	9778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 12158 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.6	11.6
10°-20°	686.1	31.3
20°-30°	738.2	33.7
30°-40°	320.9	14.7
40°-50°	53.9	2.5
50°-60°	52.4	2.4
60°-70°	44.8	2.0
70°-80°	30.0	1.4
80°-90°	9.0	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°	1678.0	76.7
0°-40°	1998.9	91.3
0°-60°	2105.2	96.2
0°-90°	2188.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2188.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2600	
5°	2653	254
15°	2481	686
25°	1660	738
35°	508	321
45°	70	54
55°	59	52
65°	45	45
75°	29	30
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2599.6
2.5°	2672.8
5°	2653.4
7.5°	2659.6
10°	2654.8
12.5°	2600.0
15°	2480.6
17.5°	2320.2
20°	2127.7
22.5°	1921.7
25°	1659.8
27.5°	1327.6
30°	1072.8
32.5°	826.9
35°	508.5
37.5°	217.5
40°	77.1
42.5°	71.0
45°	69.7
47.5°	67.3
50°	64.6
52.5°	61.6
55°	58.6
57.5°	55.5
60°	52.4
62.5°	49.0
65°	45.3
67.5°	41.6
70°	37.5
72.5°	33.2
75°	28.8
77.5°	23.7
80°	18.6
82.5°	13.2
85°	7.8
87.5°	2.7
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)