

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: P745521

Luminaire Tested: LD4D25D010-EU4DR6020359027-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745521
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-EU4DR6020359027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1846.7 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
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



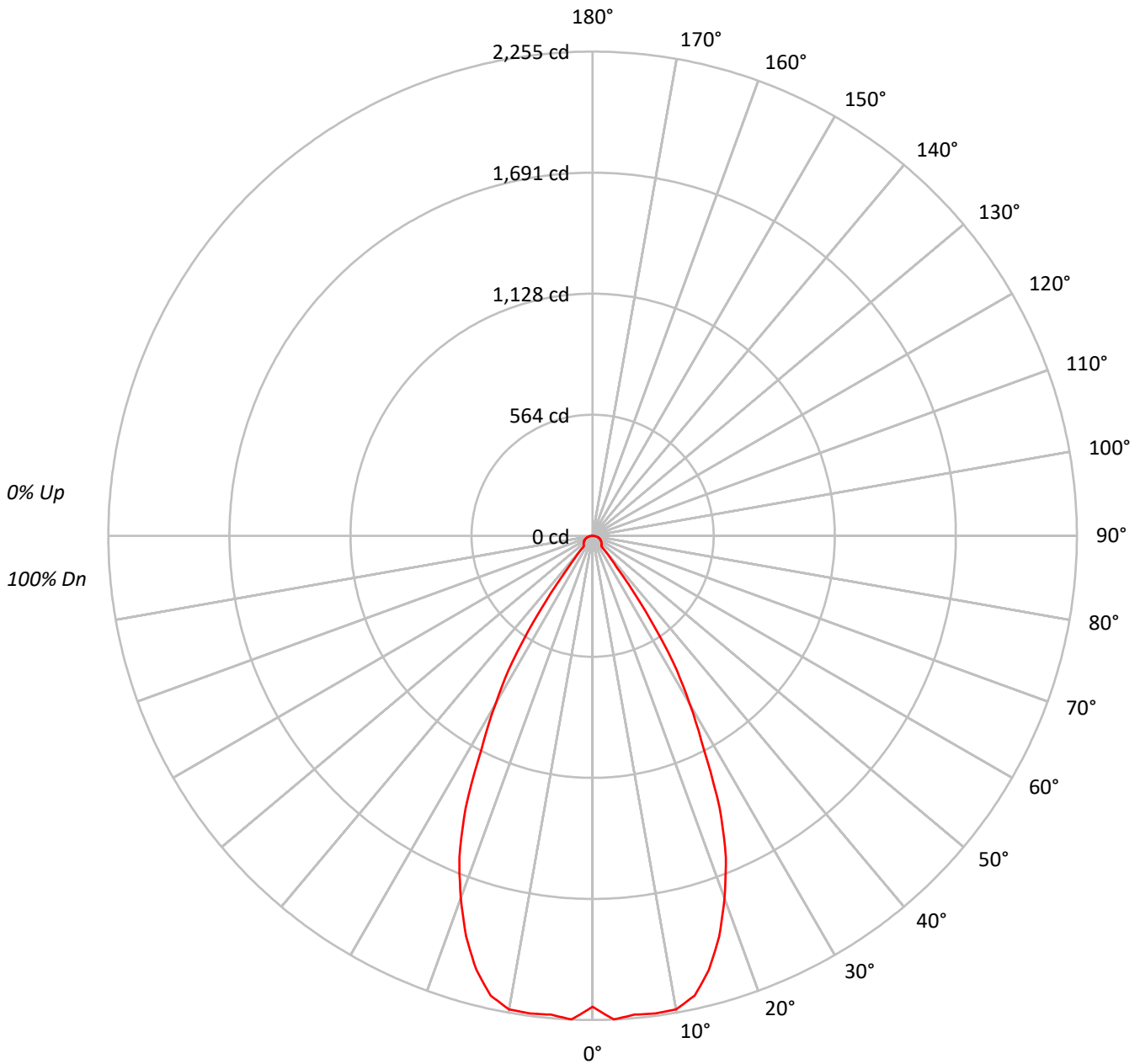
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	239620
5°	245514
10°	248486
15°	236716
20°	208710
25°	168814
30°	114191
35°	57221
40°	9285
45°	9086
50°	9264
55°	9410
60°	9659
65°	9902
70°	10127
75°	10216
80°	9879
85°	8274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 10216 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	11.6
10°-20°	578.8	31.3
20°-30°	622.8	33.7
30°-40°	270.7	14.7
40°-50°	45.5	2.5
50°-60°	44.2	2.4
60°-70°	37.8	2.0
70°-80°	25.3	1.4
80°-90°	7.6	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°	1415.6	76.7
0°-40°	1686.3	91.3
0°-60°	1776.0	96.2
0°-90°	1846.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1846.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2193	
5°	2238	214
15°	2093	579
25°	1400	623
35°	429	271
45°	59	45
55°	49	44
65°	38	38
75°	24	25
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2193.1
2.5°	2254.8
5°	2238.5
7.5°	2243.7
10°	2239.7
12.5°	2193.4
15°	2092.7
17.5°	1957.4
20°	1795.0
22.5°	1621.2
25°	1400.3
27.5°	1120.0
30°	905.1
32.5°	697.6
35°	429.0
37.5°	183.5
40°	65.1
42.5°	59.9
45°	58.8
47.5°	56.8
50°	54.5
52.5°	52.0
55°	49.4
57.5°	46.8
60°	44.2
62.5°	41.4
65°	38.3
67.5°	35.1
70°	31.7
72.5°	28.0
75°	24.2
77.5°	20.0
80°	15.7
82.5°	11.1
85°	6.6
87.5°	2.3
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)