

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: P744585

Luminaire Tested: LD4D20D010-EU4DR6020359027-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744585
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: LD4D20D010-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: 1429.1 lumens
Efficiency: N/A
Efficacy: 61.9 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): 23.1
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



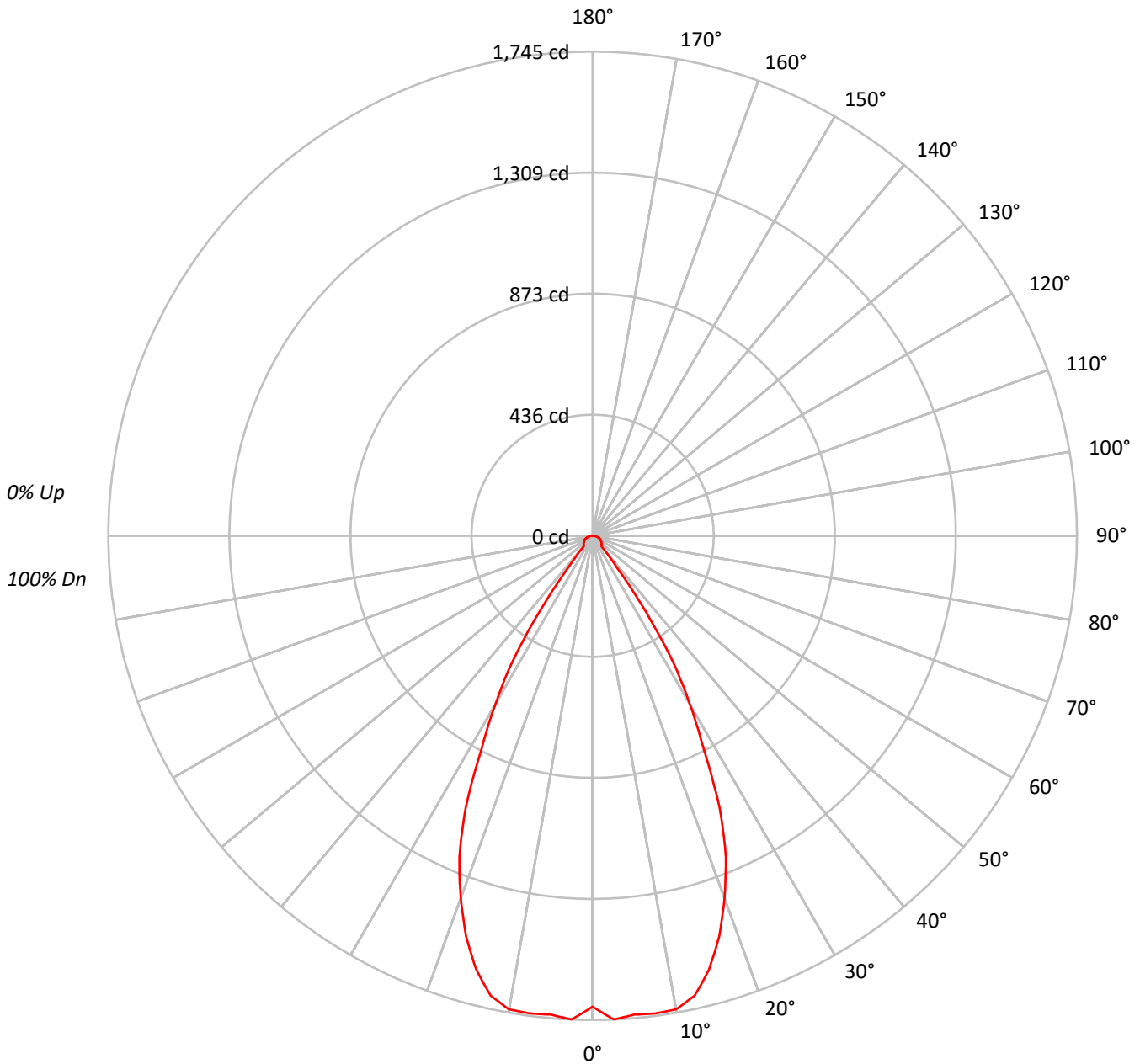
Downlight



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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°	185437
5°	189995
10°	192292
15°	183179
20°	161515
25°	130634
30°	88365
35°	44283
40°	7189
45°	7031
50°	7173
55°	7277
60°	7495
65°	7653
70°	7827
75°	7936
80°	7613
85°	6393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 7936 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	11.6
10°-20°	447.9	31.3
20°-30°	482.0	33.7
30°-40°	209.5	14.7
40°-50°	35.2	2.5
50°-60°	34.2	2.4
60°-70°	29.3	2.0
70°-80°	19.6	1.4
80°-90°	5.9	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°	1095.5	76.7
0°-40°	1305.0	91.3
0°-60°	1374.4	96.2
0°-90°	1429.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1429.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1697	
5°	1732	166
15°	1619	448
25°	1084	482
35°	332	209
45°	46	35
55°	38	34
65°	30	29
75°	19	20
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1697.2
2.5°	1744.9
5°	1732.3
7.5°	1736.3
10°	1733.2
12.5°	1697.4
15°	1619.4
17.5°	1514.8
20°	1389.1
22.5°	1254.6
25°	1083.6
27.5°	866.7
30°	700.4
32.5°	539.8
35°	332.0
37.5°	142.0
40°	50.4
42.5°	46.4
45°	45.5
47.5°	43.9
50°	42.2
52.5°	40.2
55°	38.2
57.5°	36.2
60°	34.3
62.5°	32.0
65°	29.6
67.5°	27.2
70°	24.5
72.5°	21.7
75°	18.8
77.5°	15.5
80°	12.1
82.5°	8.6
85°	5.1
87.5°	1.8
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)