

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: P746484

Luminaire Tested: LD4D30D010-EU4DR6020359035-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746484
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: LD4D30D010-EU4DR6020359035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2548.7 lumens
Efficiency: N/A
Efficacy: 87.9 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): 29
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

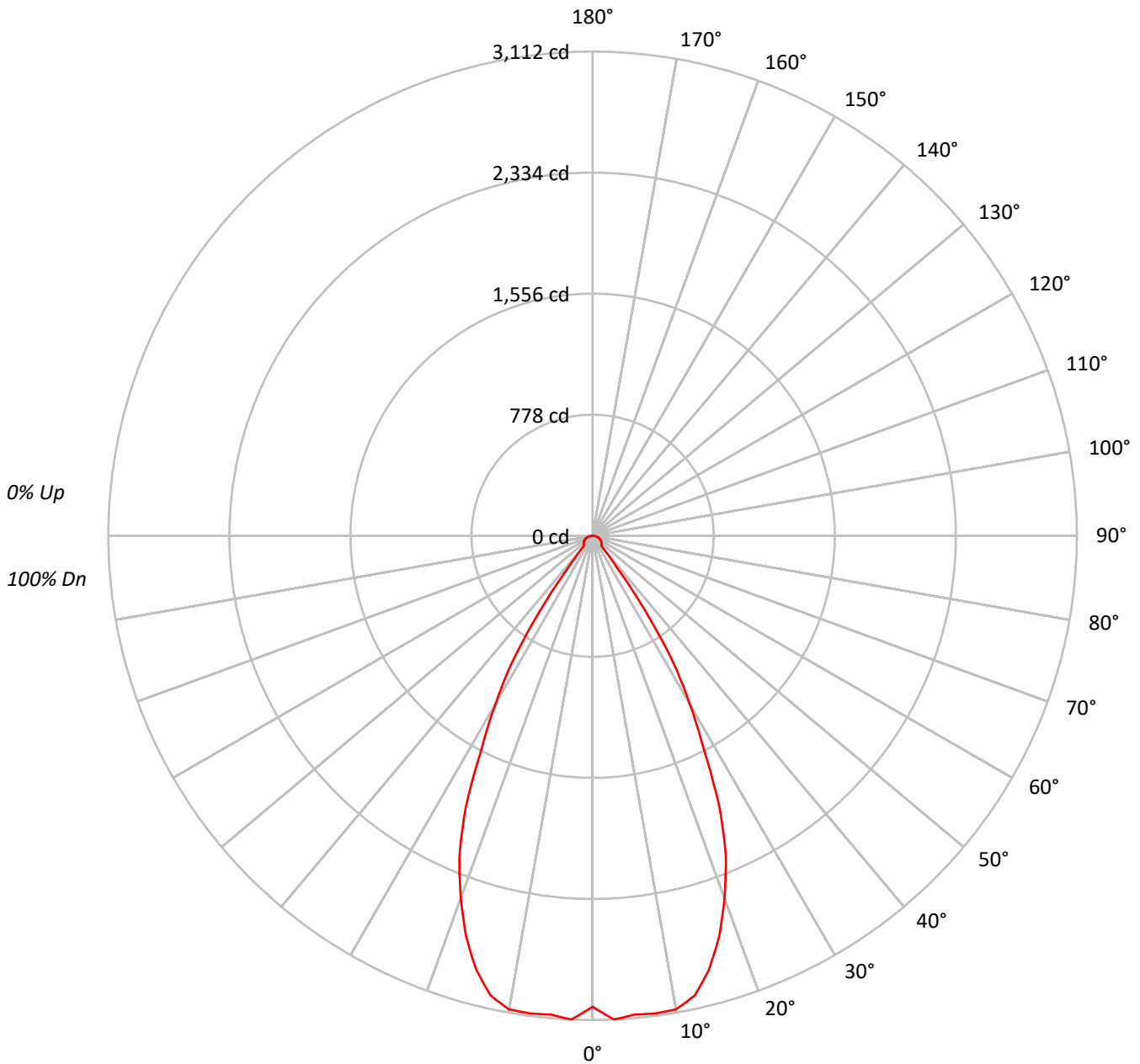


Downlight



TEST NUMBER: P746484
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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°	330710
5°	338851
10°	342935
15°	326699
20°	288043
25°	232974
30°	157591
35°	78963
40°	12808
45°	12531
50°	12782
55°	12972
60°	13352
65°	13651
70°	13960
75°	14142
80°	13654
85°	11408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.3	11.6
10°-20°	798.9	31.3
20°-30°	859.5	33.7
30°-40°	373.6	14.7
40°-50°	62.7	2.5
50°-60°	61.0	2.4
60°-70°	52.2	2.0
70°-80°	34.9	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°	1953.7	76.7
0°-40°	2327.3	91.3
0°-60°	2451.0	96.2
0°-90°	2548.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2548.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3027	
5°	3090	295
15°	2888	799
25°	1932	860
35°	592	374
45°	81	63
55°	68	61
65°	53	52
75°	34	35
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3026.8
2.5°	3111.9
5°	3089.5
7.5°	3096.5
10°	3091.0
12.5°	3027.2
15°	2888.2
17.5°	2701.5
20°	2477.3
22.5°	2237.4
25°	1932.5
27.5°	1545.7
30°	1249.1
32.5°	962.7
35°	592.0
37.5°	253.3
40°	89.8
42.5°	82.7
45°	81.1
47.5°	78.4
50°	75.2
52.5°	71.7
55°	68.1
57.5°	64.6
60°	61.1
62.5°	57.1
65°	52.8
67.5°	48.5
70°	43.7
72.5°	38.6
75°	33.5
77.5°	27.6
80°	21.7
82.5°	15.4
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

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— 0°-180°

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(END OF REPORT)