

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: P746640

Luminaire Tested: LD4D30D010-EU4DR7020359035-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR7020359035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2347.8 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

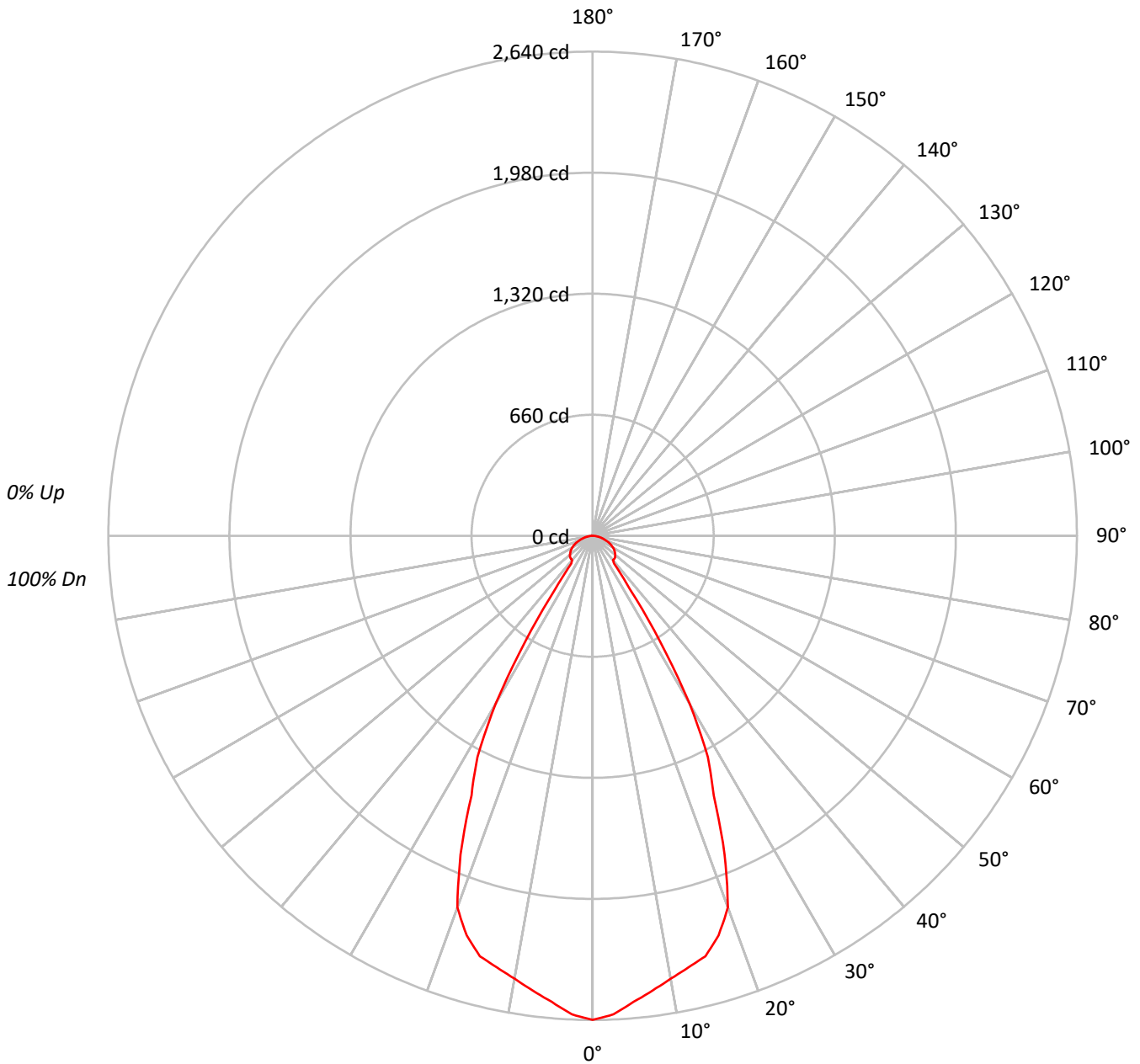


Downlight



TEST NUMBER: P746640
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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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	288405
5°	279844
10°	272040
15°	268467
20°	250696
25°	188332
30°	133140
35°	47164
40°	24789
45°	26407
50°	27350
55°	27869
60°	28036
65°	27456
70°	25908
75°	23978
80°	21330
85°	17300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 28042 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.7	10.3
10°-20°	660.1	28.1
20°-30°	727.0	31.0
30°-40°	277.8	11.8
40°-50°	131.2	5.6
50°-60°	130.4	5.6
60°-70°	104.4	4.4
70°-80°	60.0	2.6
80°-90°	16.3	0.7
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°	1627.8	69.3
0°-40°	1905.6	81.2
0°-60°	2167.1	92.3
0°-90°	2347.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2347.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2640	
5°	2552	241
15°	2373	660
25°	1562	727
35°	354	278
45°	171	131
55°	146	130
65°	106	104
75°	57	60
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2639.6
2.5°	2612.0
5°	2551.5
7.5°	2500.9
10°	2452.0
12.5°	2410.6
15°	2373.4
17.5°	2283.6
20°	2156.1
22.5°	1881.1
25°	1562.2
27.5°	1360.0
30°	1055.3
32.5°	681.6
35°	353.6
37.5°	191.0
40°	173.8
42.5°	172.6
45°	170.9
47.5°	167.2
50°	160.9
52.5°	153.8
55°	146.3
57.5°	137.9
60°	128.3
62.5°	117.5
65°	106.2
67.5°	93.6
70°	81.1
72.5°	68.5
75°	56.8
77.5°	44.7
80°	33.9
82.5°	23.8
85°	13.8
87.5°	5.4
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)