

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: P744693

Luminaire Tested: LD4D20D010-EU4DR6520359040-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P744693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D20D010-EU4DR6520359040-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1793.2 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 23.1
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



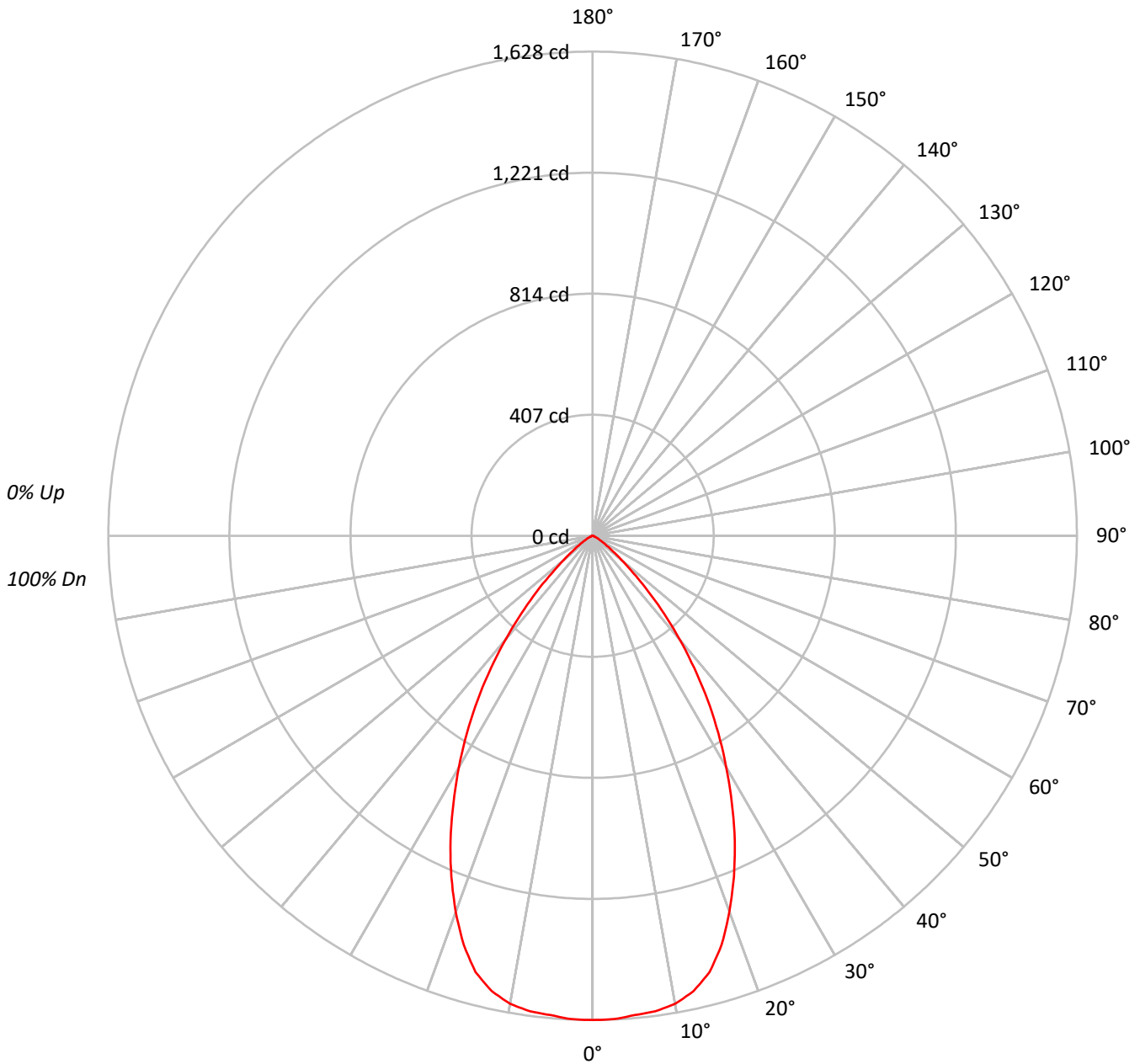
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95093
5°	94847
10°	94769
15°	91851
20°	83613
25°	72864
30°	60607
35°	48019
40°	34659
45°	21896
50°	11412
55°	6069
60°	3189
65°	1755
70°	734
75°	812
80°	572
85°	469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21896 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	8.6
10°-20°	421.6	23.5
20°-30°	515.4	28.7
30°-40°	418.2	23.3
40°-50°	208.4	11.6
50°-60°	58.1	3.2
60°-70°	13.2	0.7
70°-80°	3.5	0.2
80°-90°	0.9	0.0
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°	1091.0	60.8
0°-40°	1509.1	84.2
0°-60°	1775.7	99.0
0°-90°	1793.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1793.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1628	
5°	1618	154
15°	1519	422
25°	1131	515
35°	674	418
45°	265	208
55°	60	58
65°	13	13
75°	4	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1628.2
2.5°	1627.0
5°	1617.8
7.5°	1612.6
10°	1598.0
12.5°	1568.3
15°	1519.1
17.5°	1442.0
20°	1345.3
22.5°	1241.0
25°	1130.7
27.5°	1012.8
30°	898.7
32.5°	786.0
35°	673.5
37.5°	561.3
40°	454.6
42.5°	354.6
45°	265.1
47.5°	184.7
50°	125.6
52.5°	86.6
55°	59.6
57.5°	40.2
60°	27.3
62.5°	18.9
65°	12.7
67.5°	6.5
70°	4.3
72.5°	4.1
75°	3.6
77.5°	2.4
80°	1.7
82.5°	1.2
85°	0.7
87.5°	0.5
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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