

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: P739698

Luminaire Tested: LD4D02D010-EU4DR700210IC9027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739698
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: LD4D02D010-EU4DR700210IC9027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 52.2 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): 5.1
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



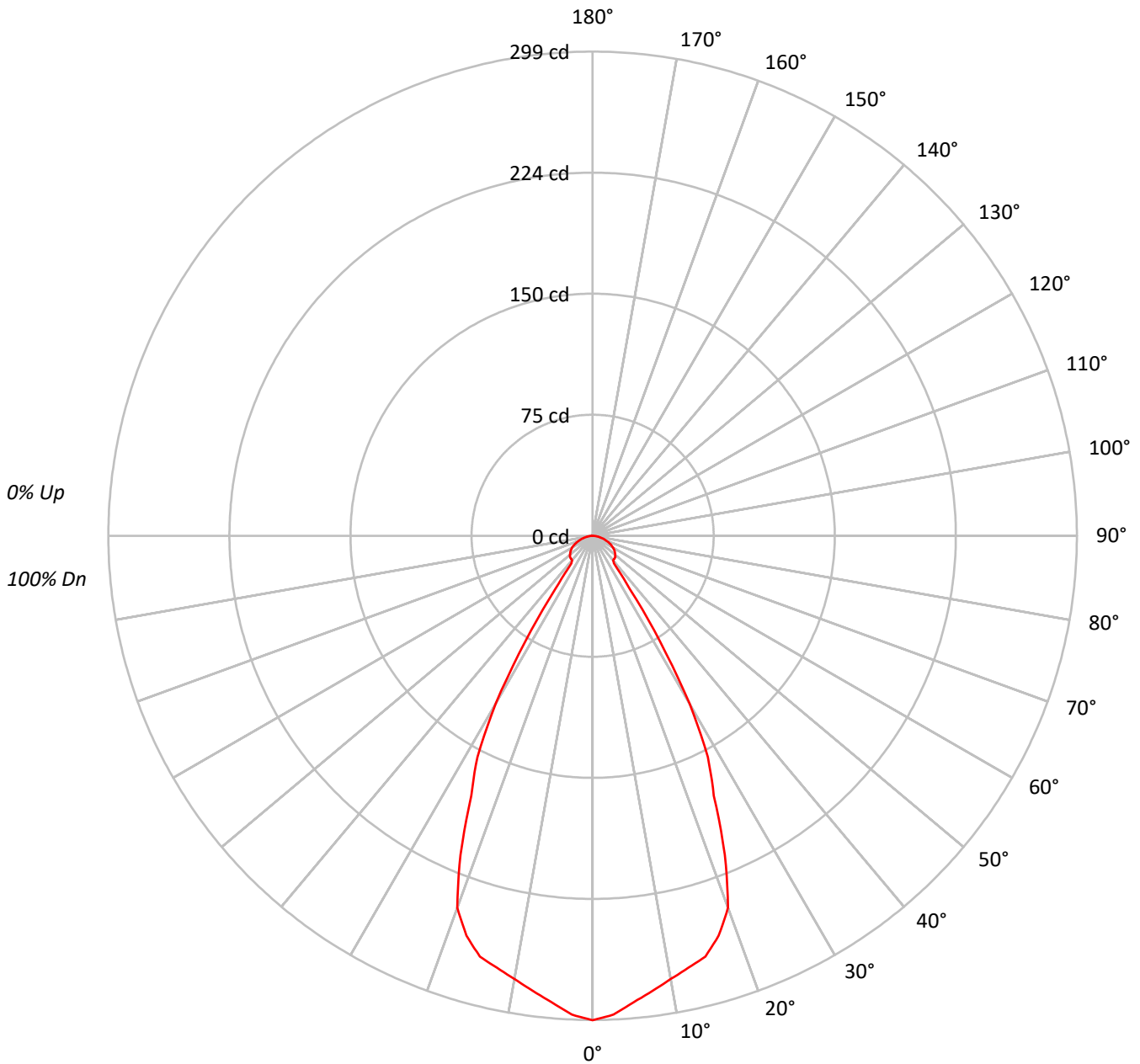
Downlight



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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																			
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	82	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	88	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	53	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32691
5°	31719
10°	30832
15°	30428
20°	28417
25°	21350
30°	15089
35°	5335
40°	2810
45°	2998
50°	3094
55°	3162
60°	3190
65°	3102
70°	2939
75°	2702
80°	2391
85°	1880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 3190 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	10.3
10°-20°	74.8	28.1
20°-30°	82.4	31.0
30°-40°	31.5	11.8
40°-50°	14.9	5.6
50°-60°	14.8	5.6
60°-70°	11.8	4.4
70°-80°	6.8	2.5
80°-90°	1.8	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°	184.5	69.4
0°-40°	216.0	81.2
0°-60°	245.6	92.3
0°-90°	266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	266.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	299	
5°	289	27
15°	269	75
25°	177	82
35°	40	31
45°	19	15
55°	17	15
65°	12	12
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	299.2
2.5°	296.0
5°	289.2
7.5°	283.4
10°	277.9
12.5°	273.2
15°	269.0
17.5°	258.9
20°	244.4
22.5°	213.2
25°	177.1
27.5°	154.1
30°	119.6
32.5°	77.2
35°	40.0
37.5°	21.7
40°	19.7
42.5°	19.5
45°	19.4
47.5°	19.0
50°	18.2
52.5°	17.4
55°	16.6
57.5°	15.6
60°	14.6
62.5°	13.3
65°	12.0
67.5°	10.6
70°	9.2
72.5°	7.8
75°	6.4
77.5°	5.0
80°	3.8
82.5°	2.7
85°	1.5
87.5°	0.6
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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