

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: P744579

Luminaire Tested: LD4D20D010-EU4DR6020359027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744579
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-EU4DR6020359027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1880.4 lumens
Efficiency: N/A
Efficacy: 81.4 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 (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

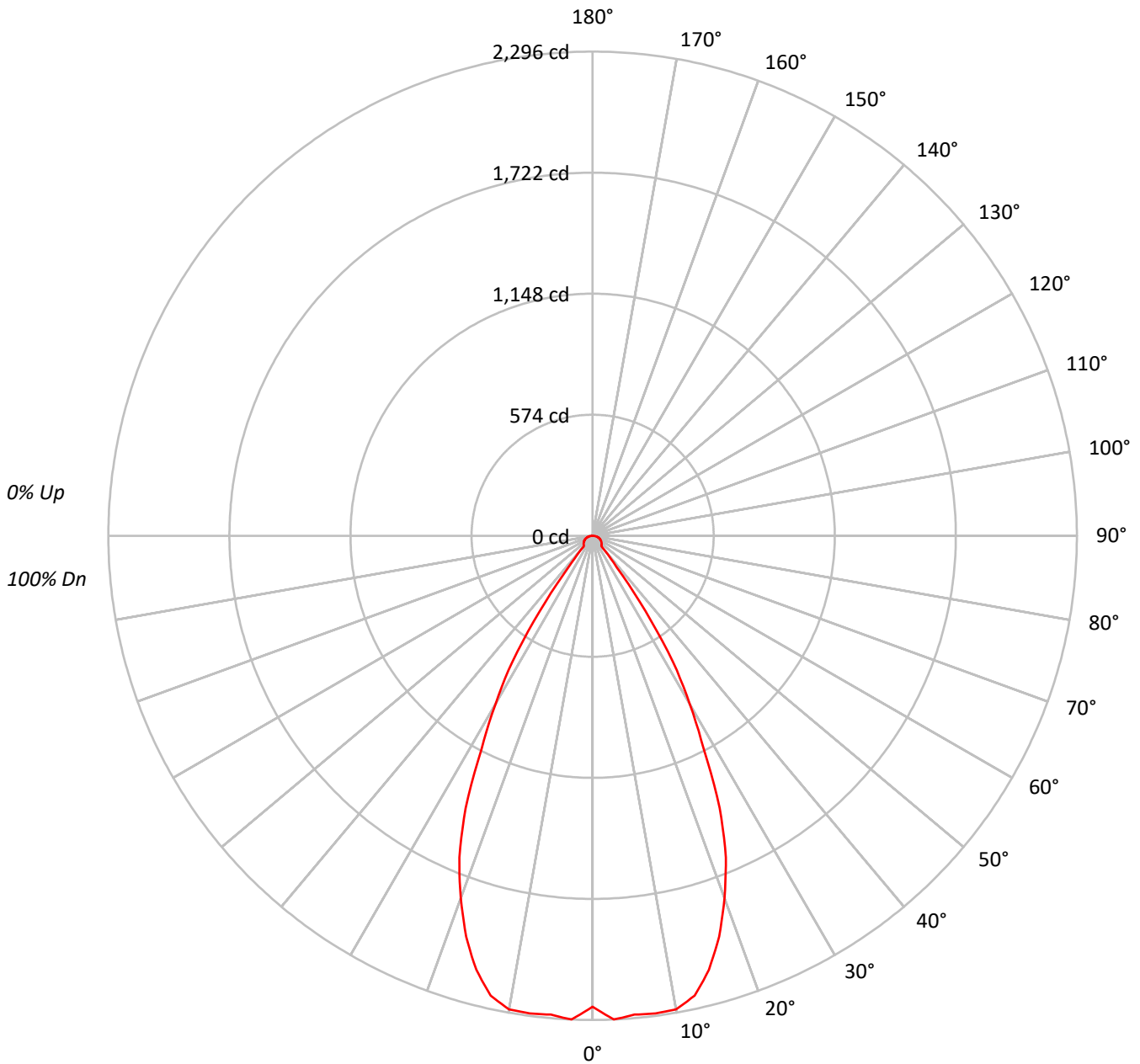


Downlight



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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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	244001
5°	250000
10°	253024
15°	241037
20°	212524
25°	171889
30°	116272
35°	58262
40°	9456
45°	9256
50°	9434
55°	9582
60°	9833
65°	10083
70°	10318
75°	10427
80°	10067
85°	8399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 10427 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	11.6
10°-20°	589.4	31.3
20°-30°	634.2	33.7
30°-40°	275.7	14.7
40°-50°	46.3	2.5
50°-60°	45.0	2.4
60°-70°	38.5	2.0
70°-80°	25.8	1.4
80°-90°	7.7	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°	1441.5	76.7
0°-40°	1717.1	91.3
0°-60°	1808.4	96.2
0°-90°	1880.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1880.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2233	
5°	2279	218
15°	2131	589
25°	1426	634
35°	437	276
45°	60	46
55°	50	45
65°	39	39
75°	25	26
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2233.2
2.5°	2296.0
5°	2279.4
7.5°	2284.7
10°	2280.6
12.5°	2233.5
15°	2130.9
17.5°	1993.2
20°	1827.8
22.5°	1650.8
25°	1425.8
27.5°	1140.5
30°	921.6
32.5°	710.3
35°	436.8
37.5°	186.9
40°	66.3
42.5°	61.0
45°	59.9
47.5°	57.8
50°	55.5
52.5°	52.9
55°	50.3
57.5°	47.7
60°	45.0
62.5°	42.2
65°	39.0
67.5°	35.8
70°	32.3
72.5°	28.5
75°	24.7
77.5°	20.3
80°	16.0
82.5°	11.3
85°	6.7
87.5°	2.3
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)