

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: P744630

Luminaire Tested: LD4D20D010-EU4DR6020359050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744630
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-EU4DR6020359050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1982.4 lumens
Efficiency: N/A
Efficacy: 85.8 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 (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

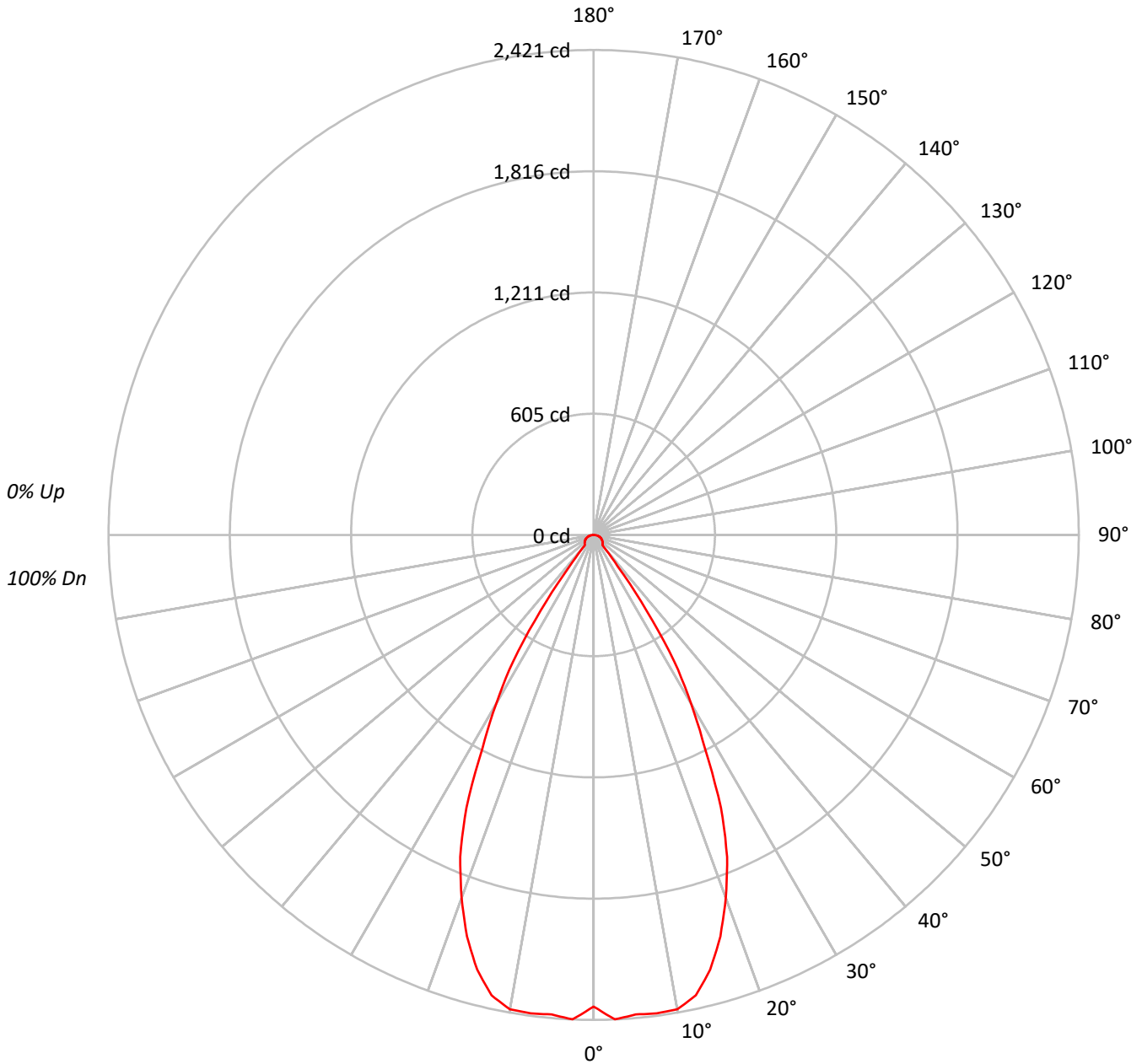


Downlight



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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	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°	257244
5°	263567
10°	266759
15°	254113
20°	224058
25°	181232
30°	122580
35°	61423
40°	9956
45°	9750
50°	9944
55°	10096
60°	10380
65°	10626
70°	10862
75°	11018
80°	10571
85°	8775

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 11018 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	11.6
10°-20°	621.4	31.3
20°-30°	668.6	33.7
30°-40°	290.6	14.7
40°-50°	48.8	2.5
50°-60°	47.4	2.4
60°-70°	40.6	2.0
70°-80°	27.1	1.4
80°-90°	8.1	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°	1519.7	76.7
0°-40°	1810.3	91.3
0°-60°	1906.5	96.2
0°-90°	1982.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1982.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2354	
5°	2403	230
15°	2246	621
25°	1503	669
35°	460	291
45°	63	49
55°	53	47
65°	41	41
75°	26	27
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2354.4
2.5°	2420.6
5°	2403.1
7.5°	2408.7
10°	2404.4
12.5°	2354.7
15°	2246.5
17.5°	2101.4
20°	1927.0
22.5°	1740.4
25°	1503.3
27.5°	1202.3
30°	971.6
32.5°	748.8
35°	460.5
37.5°	197.0
40°	69.8
42.5°	64.3
45°	63.1
47.5°	61.0
50°	58.5
52.5°	55.7
55°	53.0
57.5°	50.2
60°	47.5
62.5°	44.4
65°	41.1
67.5°	37.7
70°	34.0
72.5°	30.0
75°	26.1
77.5°	21.4
80°	16.8
82.5°	12.0
85°	7.0
87.5°	2.5
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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(END OF REPORT)