

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P744568

Luminaire Tested: LD4D20D010-EU4DR6020359024-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P744568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D20D010-EU4DR6020359024-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1591.3 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

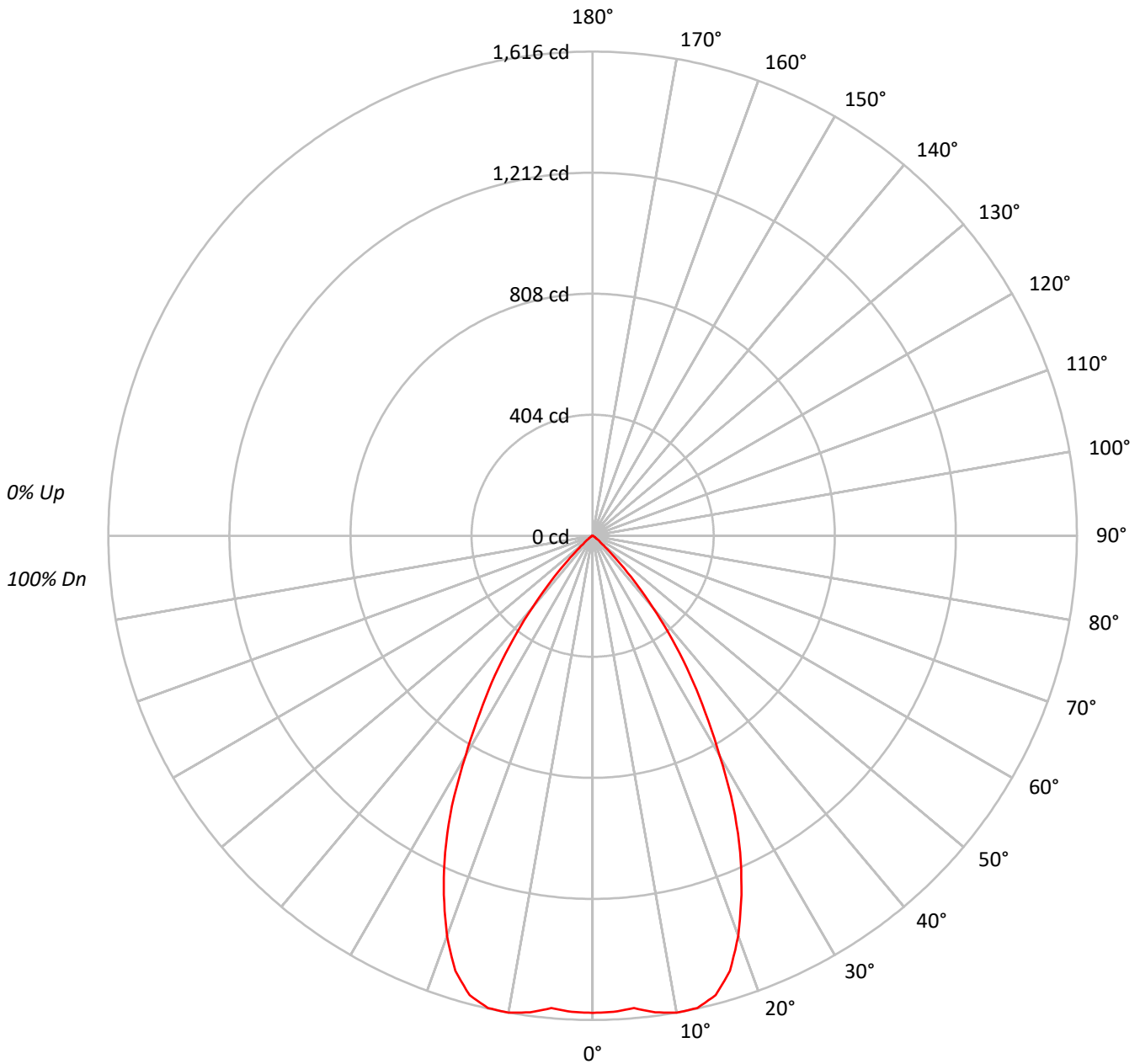


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20		
RC	80				70				50				30				10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87	
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75	
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70	
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65	
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61	
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57	
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53	
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	173998
5°	173566
10°	179334
15°	179525
20°	165177
25°	140496
30°	107050
35°	75708
40°	44458
45°	17940
50°	5983
55°	2876
60°	1180
65°	181
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17940 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	9.6
10°-20°	439.7	27.6
20°-30°	526.2	33.1
30°-40°	352.0	22.1
40°-50°	104.3	6.6
50°-60°	15.0	0.9
60°-70°	1.4	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	1118.6	70.3
0°-40°	1470.5	92.4
0°-60°	1589.9	99.9
0°-90°	1591.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1591.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1592	
5°	1582	153
15°	1587	440
25°	1165	526
35°	568	352
45°	116	104
55°	15	15
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1592.5
2.5°	1590.5
5°	1582.5
7.5°	1604.0
10°	1616.4
12.5°	1614.2
15°	1587.1
17.5°	1523.1
20°	1420.6
22.5°	1297.5
25°	1165.4
27.5°	1016.5
30°	848.5
32.5°	698.5
35°	567.6
37.5°	436.4
40°	311.7
42.5°	205.5
45°	116.1
47.5°	59.4
50°	35.2
52.5°	22.8
55°	15.1
57.5°	9.7
60°	5.4
62.5°	2.2
65°	0.7
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)