

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: P744616

Luminaire Tested: LD4D20D010-EU4DR6020359040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744616
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-EU4DR6020359040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1579.7 lumens
Efficiency: N/A
Efficacy: 68.4 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 (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



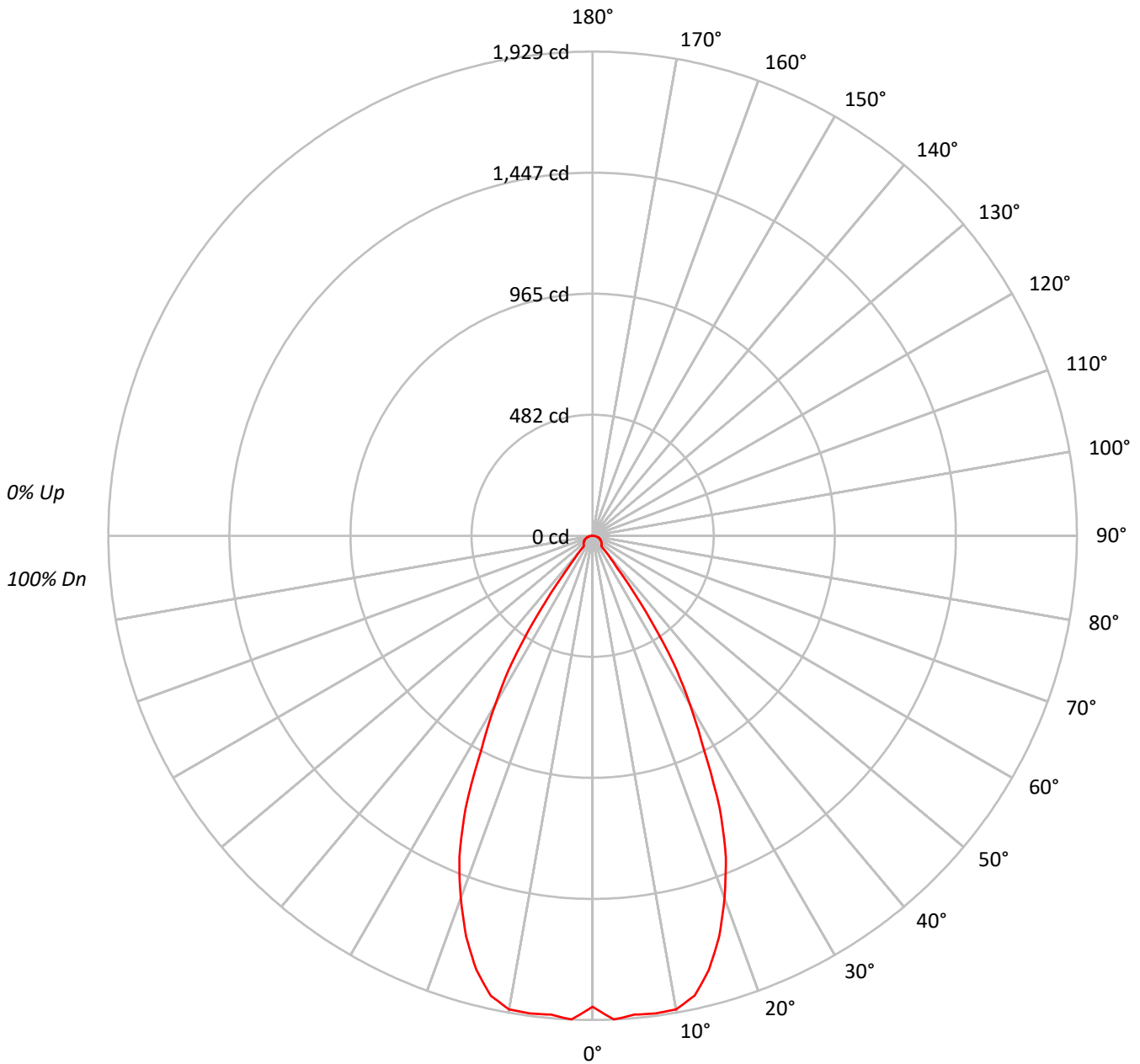
Downlight



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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°	204995
5°	210034
10°	212562
15°	202499
20°	178549
25°	144414
30°	97676
35°	48951
40°	7944
45°	7772
50°	7921
55°	8039
60°	8282
65°	8454
70°	8657
75°	8739
80°	8431
85°	7020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 8739 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	11.6
10°-20°	495.2	31.3
20°-30°	532.8	33.7
30°-40°	231.6	14.7
40°-50°	38.9	2.5
50°-60°	37.8	2.4
60°-70°	32.3	2.0
70°-80°	21.6	1.4
80°-90°	6.4	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°	1211.0	76.7
0°-40°	1442.6	91.3
0°-60°	1519.3	96.2
0°-90°	1579.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1579.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1876	
5°	1915	183
15°	1790	495
25°	1198	533
35°	367	232
45°	50	39
55°	42	38
65°	33	32
75°	21	22
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1876.2
2.5°	1928.9
5°	1915.0
7.5°	1919.4
10°	1915.9
12.5°	1876.4
15°	1790.2
17.5°	1674.5
20°	1535.6
22.5°	1386.9
25°	1197.9
27.5°	958.1
30°	774.2
32.5°	596.7
35°	367.0
37.5°	157.0
40°	55.7
42.5°	51.3
45°	50.3
47.5°	48.6
50°	46.6
52.5°	44.5
55°	42.2
57.5°	40.0
60°	37.9
62.5°	35.4
65°	32.7
67.5°	30.0
70°	27.1
72.5°	23.9
75°	20.7
77.5°	17.1
80°	13.4
82.5°	9.5
85°	5.6
87.5°	1.9
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)