

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: P747242

Luminaire Tested: LD4D35BD010-EU4DR6020359030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747242
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: LD4D35BD010-EU4DR6020359030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2523.7 lumens
Efficiency: N/A
Efficacy: 81.9 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): 30.8
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

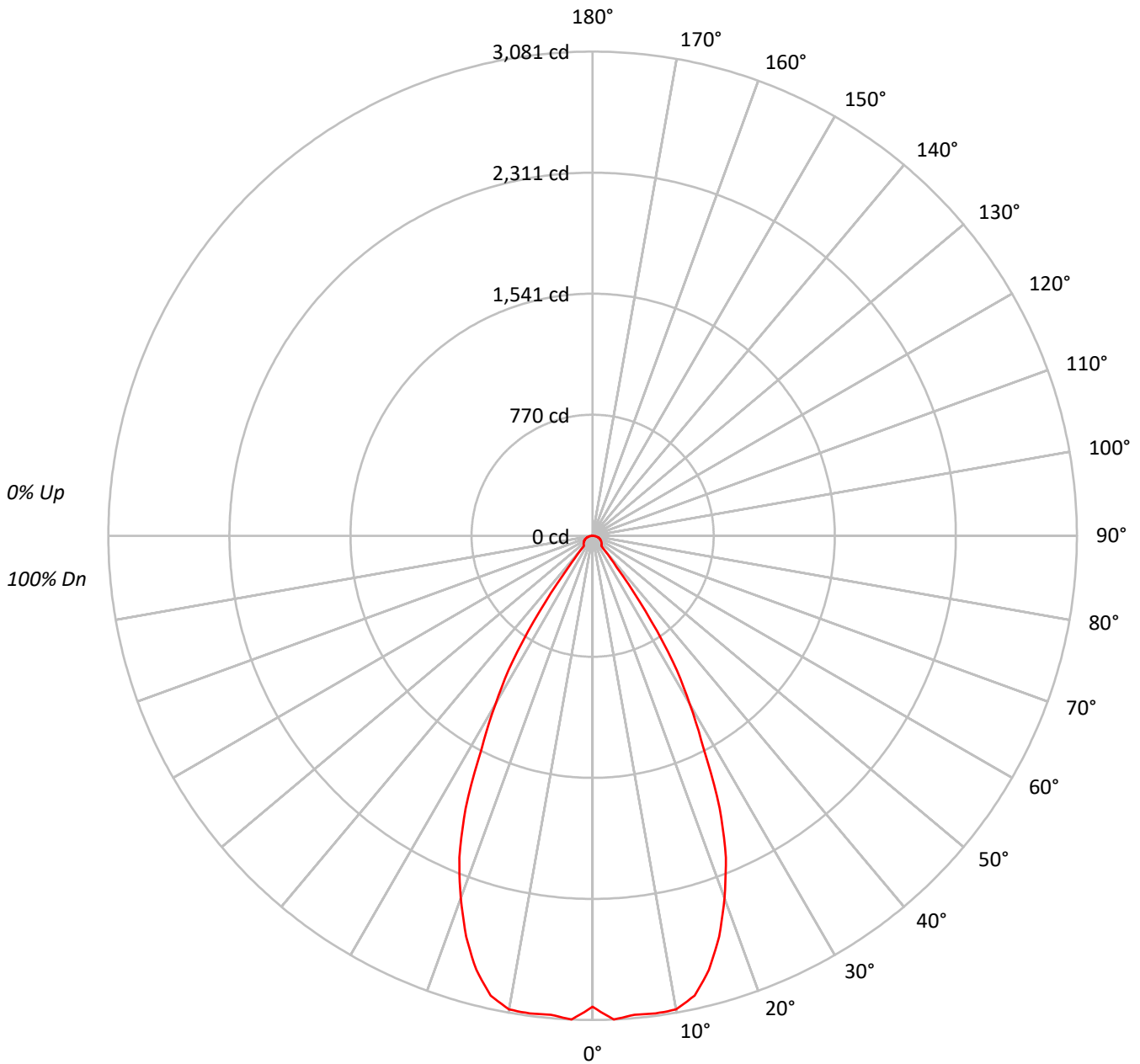


Downlight

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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°	327465
5°	335516
10°	339573
15°	323486
20°	285217
25°	230696
30°	156039
35°	78189
40°	12680
45°	12408
50°	12663
55°	12858
60°	13221
65°	13521
70°	13832
75°	14015
80°	13528
85°	11283

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14015 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	11.6
10°-20°	791.0	31.3
20°-30°	851.1	33.7
30°-40°	369.9	14.7
40°-50°	62.1	2.5
50°-60°	60.4	2.4
60°-70°	51.7	2.0
70°-80°	34.6	1.4
80°-90°	10.3	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°	1934.5	76.7
0°-40°	2304.5	91.3
0°-60°	2427.0	96.2
0°-90°	2523.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2523.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2997	
5°	3059	292
15°	2860	791
25°	1914	851
35°	586	370
45°	80	62
55°	68	60
65°	52	52
75°	33	35
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2997.1
2.5°	3081.4
5°	3059.1
7.5°	3066.2
10°	3060.7
12.5°	2997.5
15°	2859.8
17.5°	2674.9
20°	2453.0
22.5°	2215.5
25°	1913.6
27.5°	1530.5
30°	1236.8
32.5°	953.3
35°	586.2
37.5°	250.8
40°	88.9
42.5°	81.9
45°	80.3
47.5°	77.6
50°	74.5
52.5°	71.0
55°	67.5
57.5°	64.0
60°	60.5
62.5°	56.6
65°	52.3
67.5°	48.0
70°	43.3
72.5°	38.2
75°	33.2
77.5°	27.3
80°	21.5
82.5°	15.2
85°	9.0
87.5°	3.1
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)