

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: P755174

Luminaire Tested: LD4D85BD010-EU4DR7070959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P755174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D85BD010-EU4DR7070959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7358.2 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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

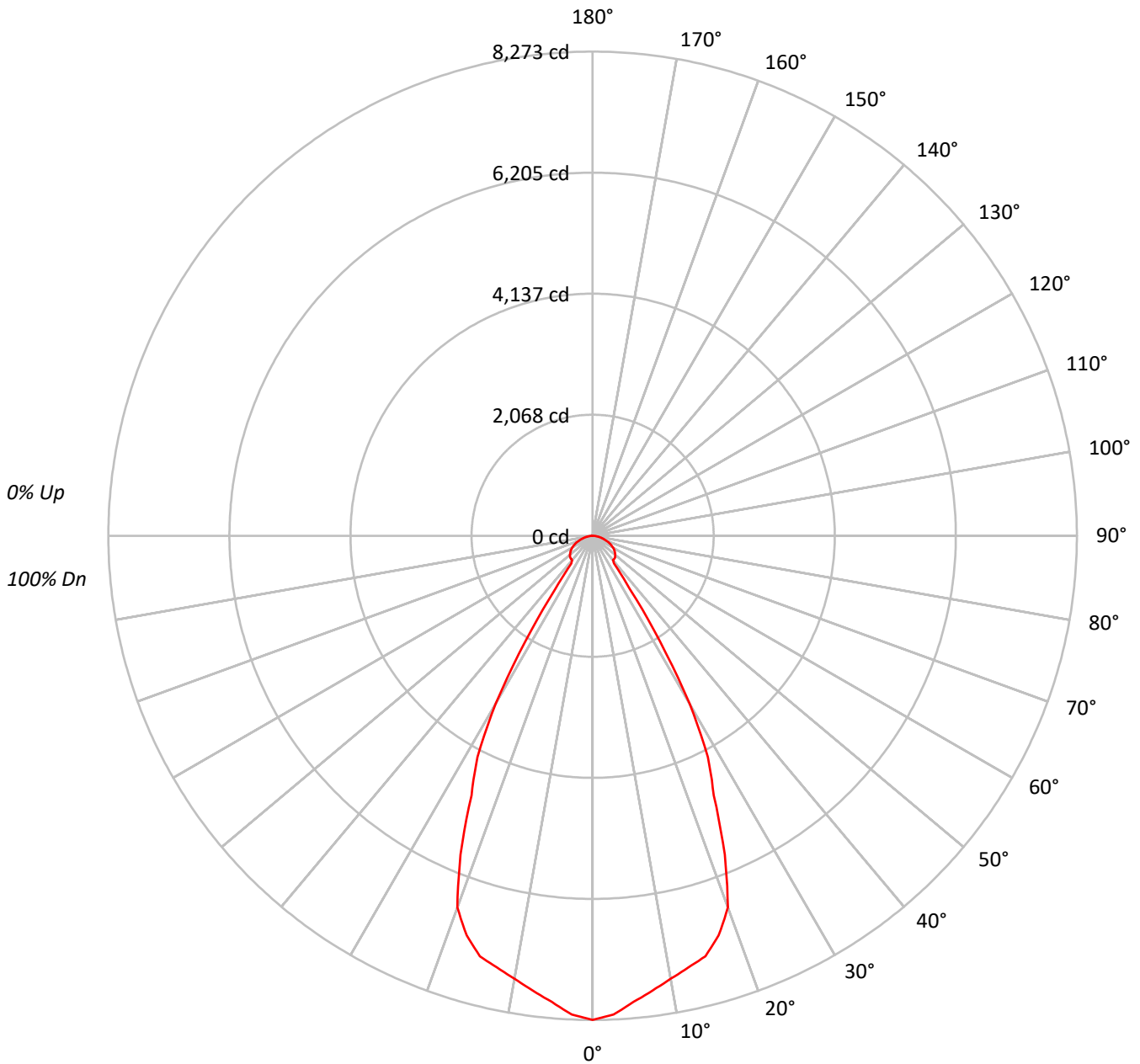


Downlight

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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	903881
5°	877019
10°	852578
15°	841395
20°	785691
25°	590242
30°	417260
35°	147801
40°	77719
45°	82775
50°	85721
55°	87321
60°	87867
65°	86014
70°	81174
75°	75185
80°	66759
85°	54157

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 87889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.2	10.3
10°-20°	2068.8	28.1
20°-30°	2278.5	31.0
30°-40°	870.6	11.8
40°-50°	411.0	5.6
50°-60°	408.6	5.6
60°-70°	327.2	4.4
70°-80°	188.0	2.6
80°-90°	51.1	0.7
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°	5101.6	69.3
0°-40°	5972.1	81.2
0°-60°	6791.8	92.3
0°-90°	7358.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7358.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8273	
5°	7996	754
15°	7438	2069
25°	4896	2279
35°	1108	871
45°	536	411
55°	458	409
65°	333	327
75°	178	188
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8272.7
2.5°	8186.3
5°	7996.3
7.5°	7837.9
10°	7684.6
12.5°	7554.9
15°	7438.4
17.5°	7156.8
20°	6757.3
22.5°	5895.4
25°	4896.0
27.5°	4262.1
30°	3307.3
32.5°	2136.3
35°	1108.1
37.5°	598.6
40°	544.9
42.5°	540.9
45°	535.7
47.5°	523.9
50°	504.3
52.5°	482.0
55°	458.4
57.5°	432.2
60°	402.1
62.5°	368.1
65°	332.7
67.5°	293.4
70°	254.1
72.5°	214.8
75°	178.1
77.5°	140.1
80°	106.1
82.5°	74.7
85°	43.2
87.5°	17.0
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)