

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: P743185

Luminaire Tested: LD4D15D010-EU4DR350215IC9024-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P743185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR350215IC9024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1049.3 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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

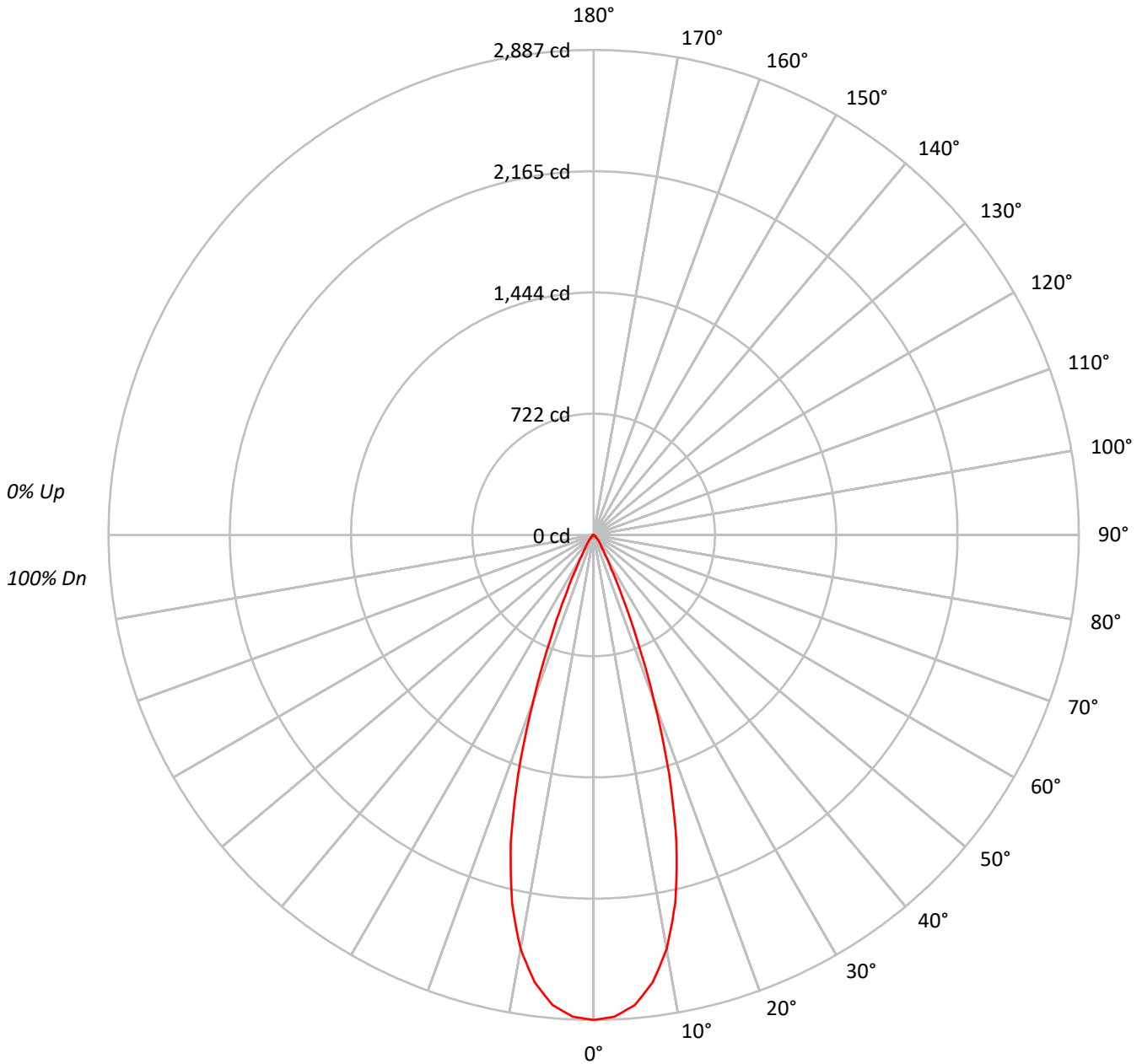


Downlight



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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	50	30	10	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	100													
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	98	96	96	96	96	96													
	2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	93	92	92	92	92	92													
	3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	89	88	88	88	88	88													
	4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	86	84	84	84	84	84													
	5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	82	81	81	81	81	81													
	6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	79	78	78	78	78	78													
	7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	76	75	75	75	75	75													
	8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	73	72	72	72	72	72													
	9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	71	70	70	70	70	70													
	10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	69	68	68	68	68	68													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315469
5°	308053
10°	277632
15°	215495
20°	122226
25°	47547
30°	17739
35°	9724
40°	6361
45°	3863
50°	2465
55°	1733
60°	1267
65°	698
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3863 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.3	24.6
10°-20°	504.3	48.1
20°-30°	205.7	19.6
30°-40°	49.2	4.7
40°-50°	20.5	2.0
50°-60°	8.5	0.8
60°-70°	2.6	0.3
70°-80°	0.1	0.0
80°-90°	0.1	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°	968.3	92.3
0°-40°	1017.6	97.0
0°-60°	1046.6	99.7
0°-90°	1049.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1049.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2887	
5°	2809	258
15°	1905	504
25°	394	206
35°	73	49
45°	25	20
55°	9	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2887.3
2.5°	2870.0
5°	2808.7
7.5°	2686.5
10°	2502.4
12.5°	2243.3
15°	1905.1
17.5°	1491.4
20°	1051.2
22.5°	670.3
25°	394.4
27.5°	222.9
30°	140.6
32.5°	98.7
35°	72.9
37.5°	56.4
40°	44.6
42.5°	34.3
45°	25.0
47.5°	18.7
50°	14.5
52.5°	11.5
55°	9.1
57.5°	7.4
60°	5.8
62.5°	4.2
65°	2.7
67.5°	0.9
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.2
85°	0.0
87.5°	0.0
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)