

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: P743576

Luminaire Tested: LD4D15D010-EU4DR600215IC9027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743576
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: LD4D15D010-EU4DR600215IC9027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1304.2 lumens
Efficiency: N/A
Efficacy: 82.5 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): 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



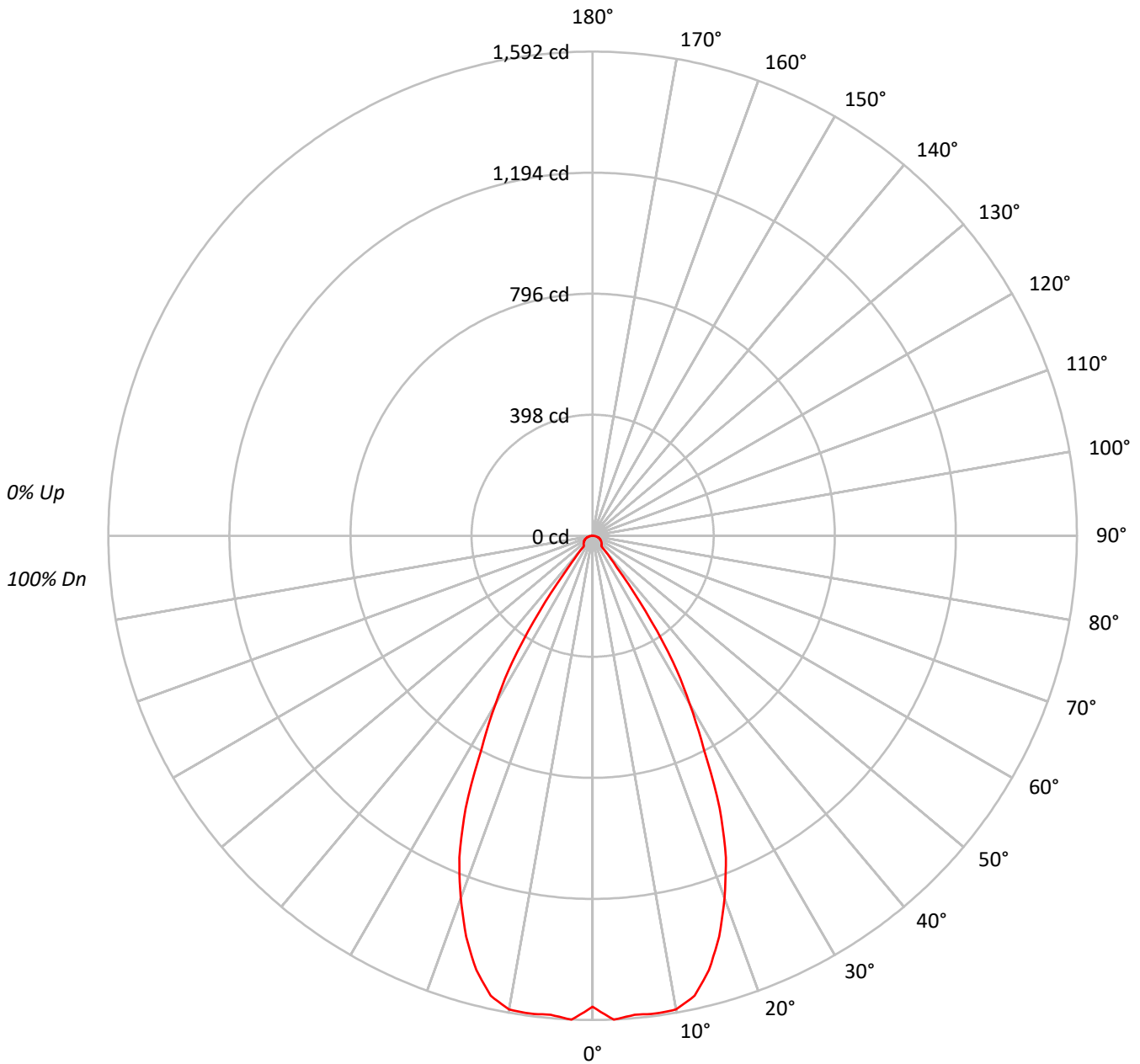
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169234
5°	173390
10°	175484
15°	167184
20°	147399
25°	119218
30°	80644
35°	40415
40°	6561
45°	6412
50°	6544
55°	6648
60°	6818
65°	6980
70°	7156
75°	7219
80°	6984
85°	5767

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 7219 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.1	11.6
10°-20°	408.8	31.3
20°-30°	439.8	33.7
30°-40°	191.2	14.7
40°-50°	32.1	2.5
50°-60°	31.2	2.4
60°-70°	26.7	2.0
70°-80°	17.9	1.4
80°-90°	5.3	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°	999.7	76.7
0°-40°	1191.0	91.3
0°-60°	1254.3	96.2
0°-90°	1304.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1304.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1549	
5°	1581	151
15°	1478	409
25°	989	440
35°	303	191
45°	42	32
55°	35	31
65°	27	27
75°	17	18
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1548.9
2.5°	1592.5
5°	1580.9
7.5°	1584.6
10°	1581.7
12.5°	1549.1
15°	1478.0
17.5°	1382.4
20°	1267.7
22.5°	1144.9
25°	988.9
27.5°	791.0
30°	639.2
32.5°	492.7
35°	303.0
37.5°	129.6
40°	46.0
42.5°	42.3
45°	41.5
47.5°	40.1
50°	38.5
52.5°	36.7
55°	34.9
57.5°	33.1
60°	31.2
62.5°	29.2
65°	27.0
67.5°	24.8
70°	22.4
72.5°	19.8
75°	17.1
77.5°	14.1
80°	11.1
82.5°	7.8
85°	4.6
87.5°	1.6
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)