

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: P743618

Luminaire Tested: LD4D15D010-EU4DR600215IC9040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743618
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-EU4DR600215IC9040-4LBSQW1B
Description: 4 INCH SQAURE 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: 1165.7 lumens
Efficiency: N/A
Efficacy: 73.8 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 (Ain): 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

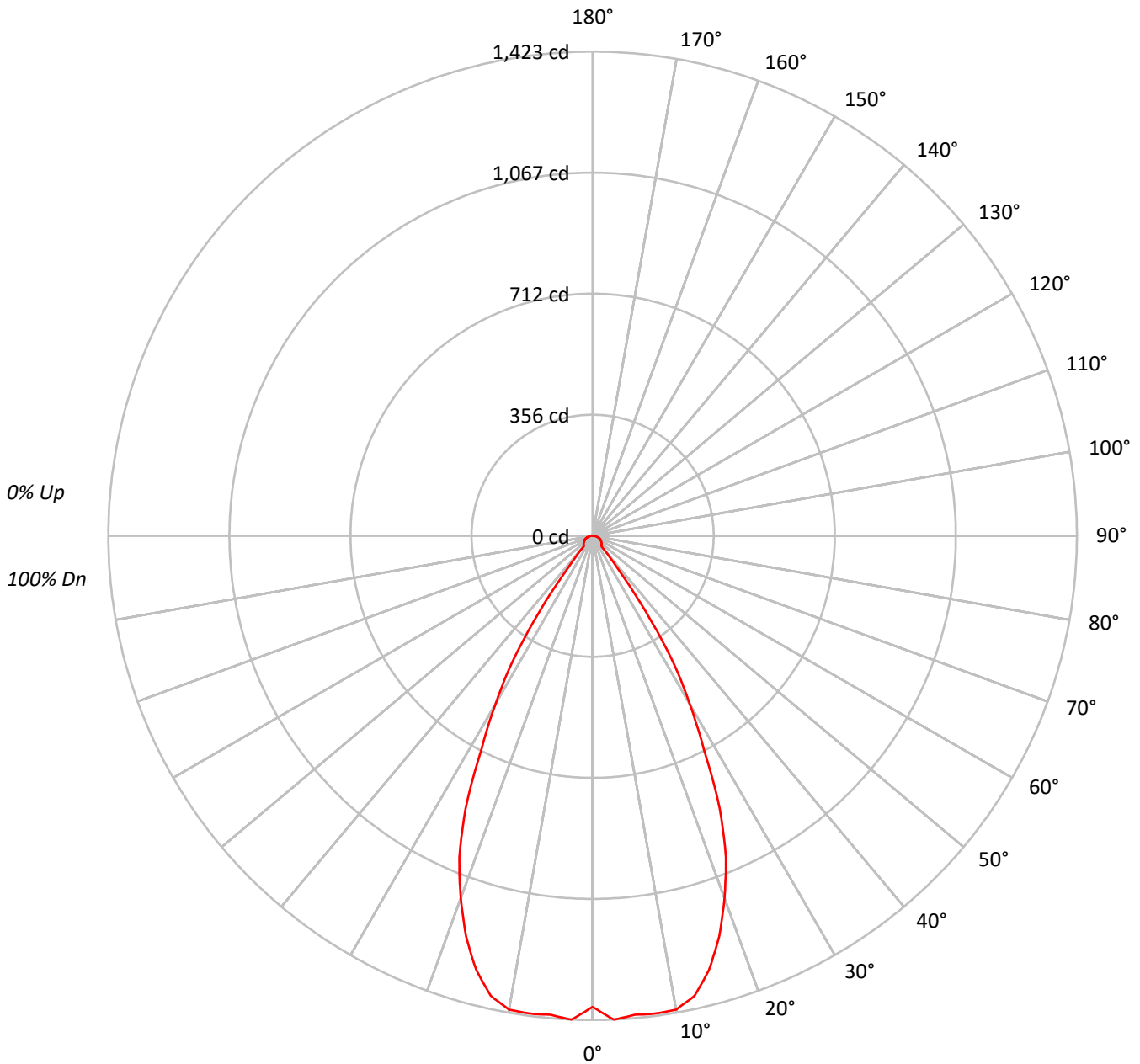


Downlight



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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				
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	63	58	54	62	57	54	61	57	54	53				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	151272
5°	154997
10°	156867
15°	149436
20°	131760
25°	106571
30°	72077
35°	36120
40°	5862
45°	5733
50°	5847
55°	5943
60°	6097
65°	6231
70°	6389
75°	6459
80°	6229
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	11.6
10°-20°	365.4	31.3
20°-30°	393.2	33.7
30°-40°	170.9	14.7
40°-50°	28.7	2.5
50°-60°	27.9	2.4
60°-70°	23.9	2.0
70°-80°	15.9	1.4
80°-90°	4.7	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°	893.7	76.7
0°-40°	1064.6	91.3
0°-60°	1121.2	96.2
0°-90°	1165.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1165.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1384	
5°	1413	135
15°	1321	365
25°	884	393
35°	271	171
45°	37	29
55°	31	28
65°	24	24
75°	15	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1384.5
2.5°	1423.4
5°	1413.2
7.5°	1416.4
10°	1413.9
12.5°	1384.7
15°	1321.1
17.5°	1235.7
20°	1133.2
22.5°	1023.5
25°	884.0
27.5°	707.0
30°	571.3
32.5°	440.4
35°	270.8
37.5°	115.9
40°	41.1
42.5°	37.8
45°	37.1
47.5°	35.9
50°	34.4
52.5°	32.8
55°	31.2
57.5°	29.6
60°	27.9
62.5°	26.1
65°	24.1
67.5°	22.2
70°	20.0
72.5°	17.6
75°	15.3
77.5°	12.6
80°	9.9
82.5°	7.0
85°	4.1
87.5°	1.4
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)