

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: P743602

Luminaire Tested: LD4D15D010-EU4DR600215IC9035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743602
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-EU4DR600215IC9035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1492.7 lumens
Efficiency: N/A
Efficacy: 94.5 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 (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



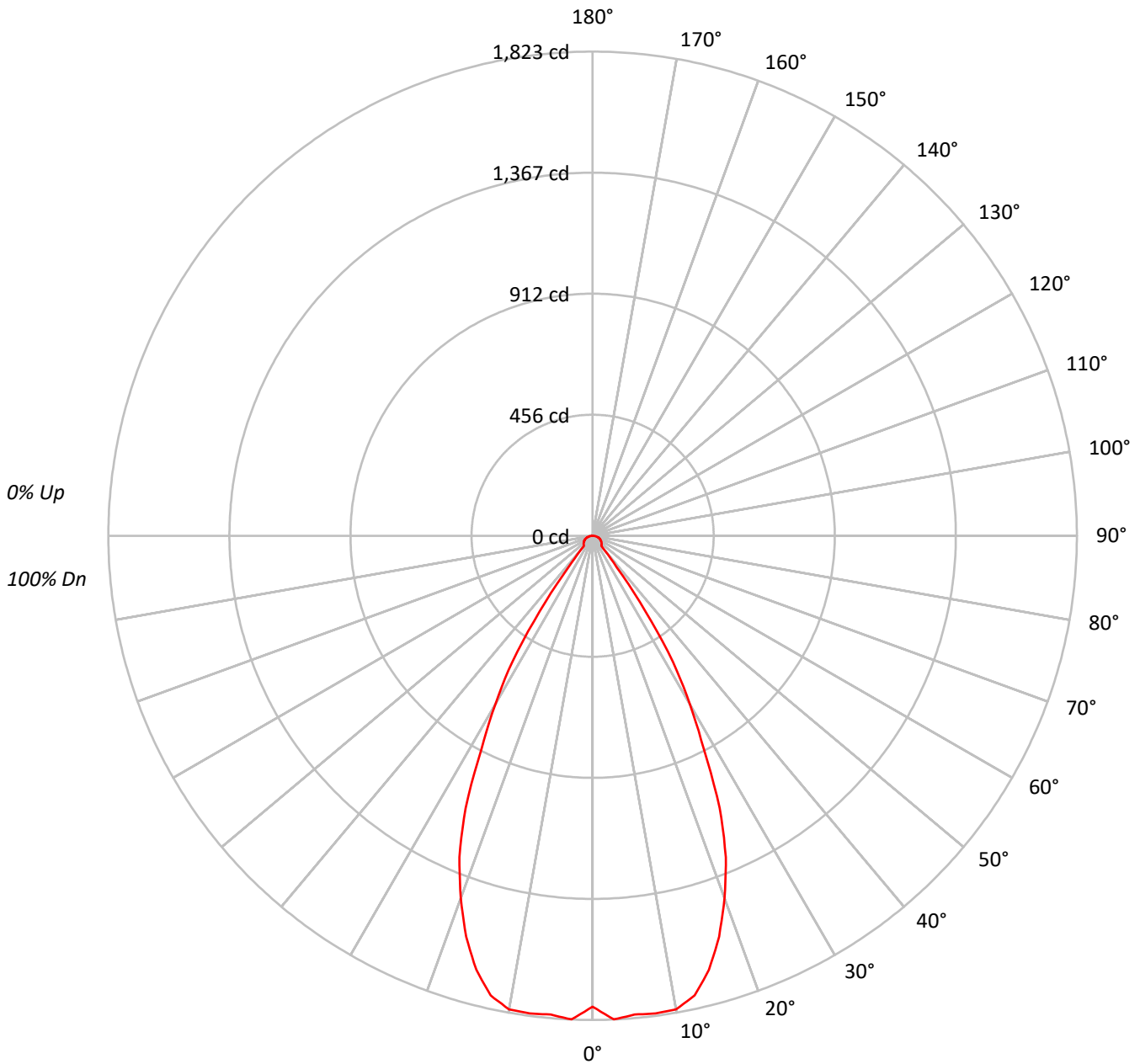
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	193697
5°	198463
10°	200857
15°	191345
20°	168700
25°	136457
30°	92301
35°	46244
40°	7502
45°	7355
50°	7496
55°	7601
60°	7823
65°	7989
70°	8178
75°	8274
80°	7991
85°	6644

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 8274 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	11.6
10°-20°	467.9	31.3
20°-30°	503.4	33.7
30°-40°	218.8	14.7
40°-50°	36.8	2.5
50°-60°	35.7	2.4
60°-70°	30.6	2.0
70°-80°	20.5	1.4
80°-90°	6.1	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°	1144.3	76.7
0°-40°	1363.1	91.3
0°-60°	1435.6	96.2
0°-90°	1492.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1492.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1773	
5°	1810	173
15°	1692	468
25°	1132	503
35°	347	219
45°	48	37
55°	40	36
65°	31	31
75°	20	20
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1772.8
2.5°	1822.6
5°	1809.5
7.5°	1813.6
10°	1810.4
12.5°	1773.1
15°	1691.6
17.5°	1582.3
20°	1450.9
22.5°	1310.5
25°	1131.9
27.5°	905.3
30°	731.6
32.5°	563.8
35°	346.7
37.5°	148.3
40°	52.6
42.5°	48.5
45°	47.6
47.5°	45.9
50°	44.1
52.5°	42.0
55°	39.9
57.5°	37.8
60°	35.8
62.5°	33.5
65°	30.9
67.5°	28.4
70°	25.6
72.5°	22.6
75°	19.6
77.5°	16.2
80°	12.7
82.5°	9.0
85°	5.3
87.5°	1.8
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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