

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: P743578

Luminaire Tested: LD4D15D010-EU4DR600215IC9027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743578
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-EU4DR600215IC9027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1181.1 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
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

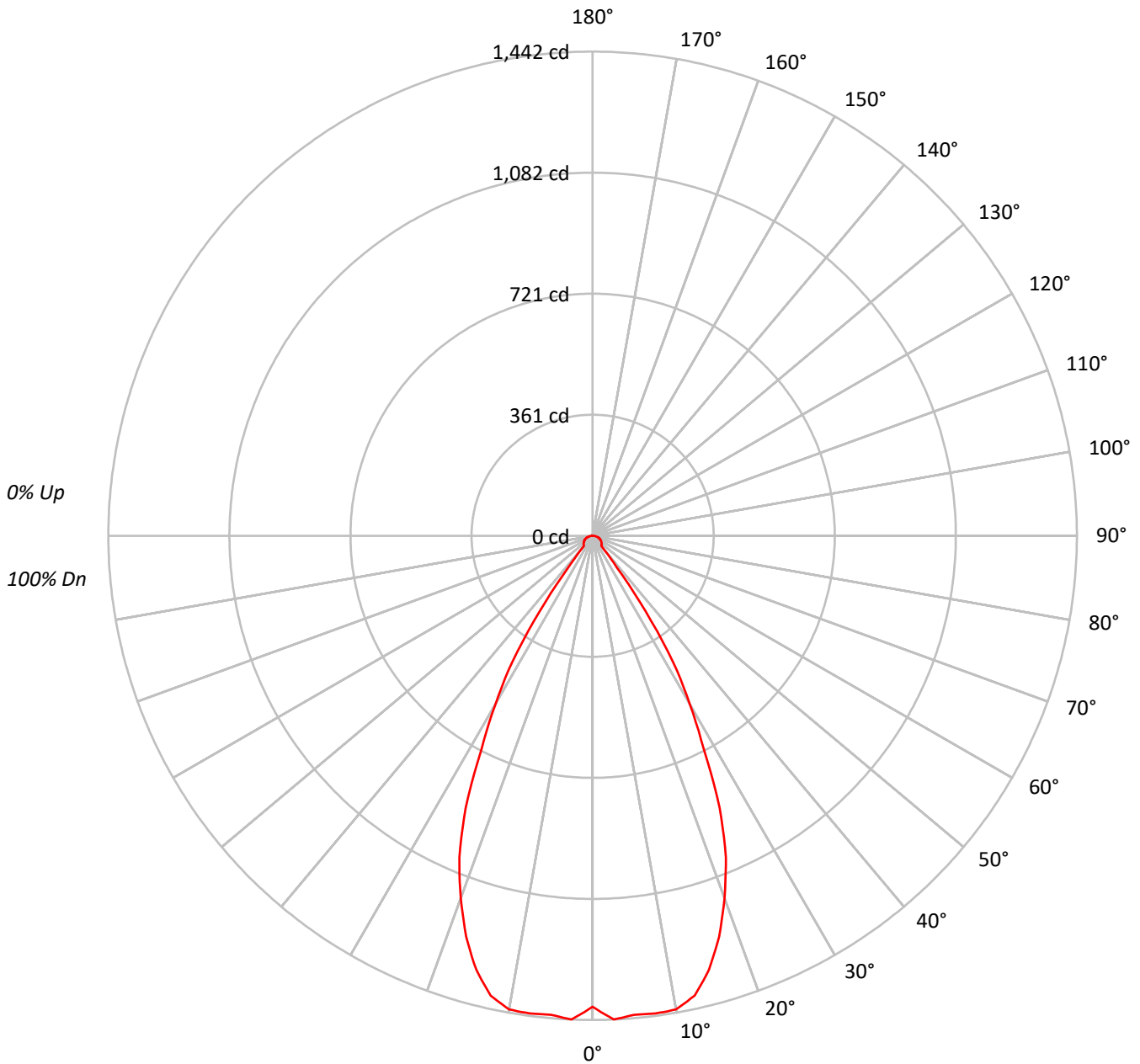


Downlight



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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	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°	153260
5°	157026
10°	158931
15°	151405
20°	133493
25°	107970
30°	73036
35°	36600
40°	5933
45°	5810
50°	5932
55°	6019
60°	6184
65°	6334
70°	6485
75°	6543
80°	6292
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6543 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	11.6
10°-20°	370.2	31.3
20°-30°	398.3	33.7
30°-40°	173.2	14.7
40°-50°	29.1	2.5
50°-60°	28.3	2.4
60°-70°	24.2	2.1
70°-80°	16.2	1.4
80°-90°	4.8	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°	905.4	76.7
0°-40°	1078.6	91.3
0°-60°	1135.9	96.2
0°-90°	1181.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1181.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1403	
5°	1432	137
15°	1338	370
25°	896	398
35°	274	173
45°	38	29
55°	32	28
65°	24	24
75°	16	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1402.7
2.5°	1442.1
5°	1431.7
7.5°	1435.0
10°	1432.5
12.5°	1402.9
15°	1338.5
17.5°	1251.9
20°	1148.1
22.5°	1036.9
25°	895.6
27.5°	716.3
30°	578.9
32.5°	446.2
35°	274.4
37.5°	117.4
40°	41.6
42.5°	38.3
45°	37.6
47.5°	36.3
50°	34.9
52.5°	33.2
55°	31.6
57.5°	30.0
60°	28.3
62.5°	26.5
65°	24.5
67.5°	22.5
70°	20.3
72.5°	17.9
75°	15.5
77.5°	12.8
80°	10.0
82.5°	7.1
85°	4.2
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)