

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: P752068

Luminaire Tested: LD4D65D010-EU4DR7055659027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR7055659027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5092.7 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
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

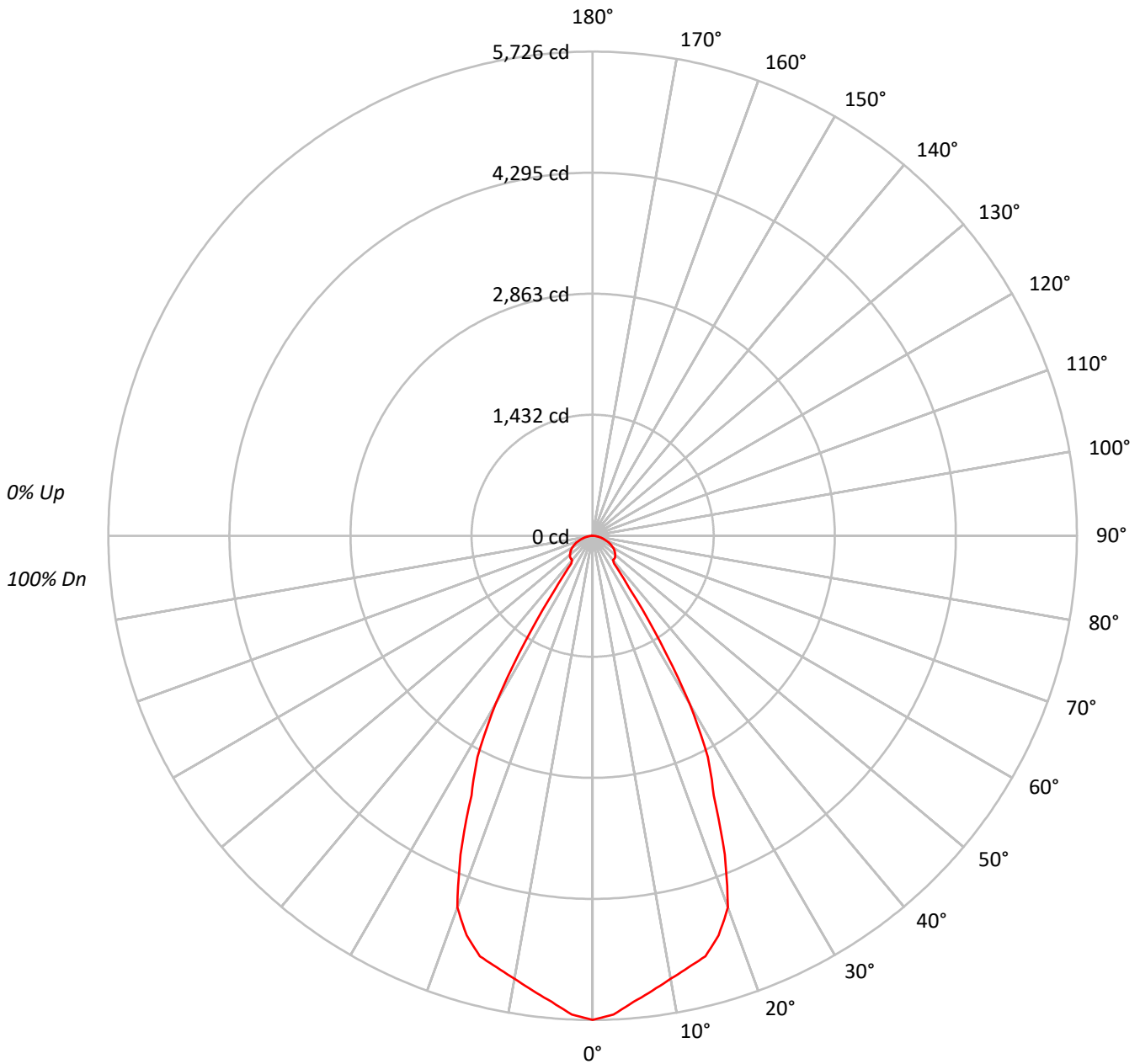


Downlight

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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	625594
5°	607003
10°	590079
15°	582339
20°	543785
25°	408516
30°	288788
35°	102291
40°	53786
45°	57295
50°	59323
55°	60443
60°	60815
65°	59540
70°	56192
75°	52051
80°	46184
85°	37483

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 60843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.0	10.3
10°-20°	1431.9	28.1
20°-30°	1577.0	31.0
30°-40°	602.5	11.8
40°-50°	284.5	5.6
50°-60°	282.8	5.6
60°-70°	226.5	4.4
70°-80°	130.2	2.6
80°-90°	35.4	0.7
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°	3530.9	69.3
0°-40°	4133.4	81.2
0°-60°	4700.7	92.3
0°-90°	5092.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5092.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5726	
5°	5534	522
15°	5148	1432
25°	3389	1577
35°	767	603
45°	371	284
55°	317	283
65°	230	226
75°	123	130
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5725.7
2.5°	5665.8
5°	5534.4
7.5°	5424.7
10°	5318.6
12.5°	5228.9
15°	5148.2
17.5°	4953.3
20°	4676.8
22.5°	4080.3
25°	3388.6
27.5°	2949.9
30°	2289.0
32.5°	1478.6
35°	766.9
37.5°	414.3
40°	377.1
42.5°	374.4
45°	370.8
47.5°	362.6
50°	349.0
52.5°	333.6
55°	317.3
57.5°	299.2
60°	278.3
62.5°	254.7
65°	230.3
67.5°	203.1
70°	175.9
72.5°	148.7
75°	123.3
77.5°	97.0
80°	73.4
82.5°	51.7
85°	29.9
87.5°	11.8
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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(END OF REPORT)