

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P751912

Luminaire Tested: LD4D65D010-EU4DR6055659027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751912
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: LD4D65D010-EU4DR6055659027-4LBDP1MW
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: 5866.2 lumens
Efficiency: N/A
Efficacy: 80.6 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): 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

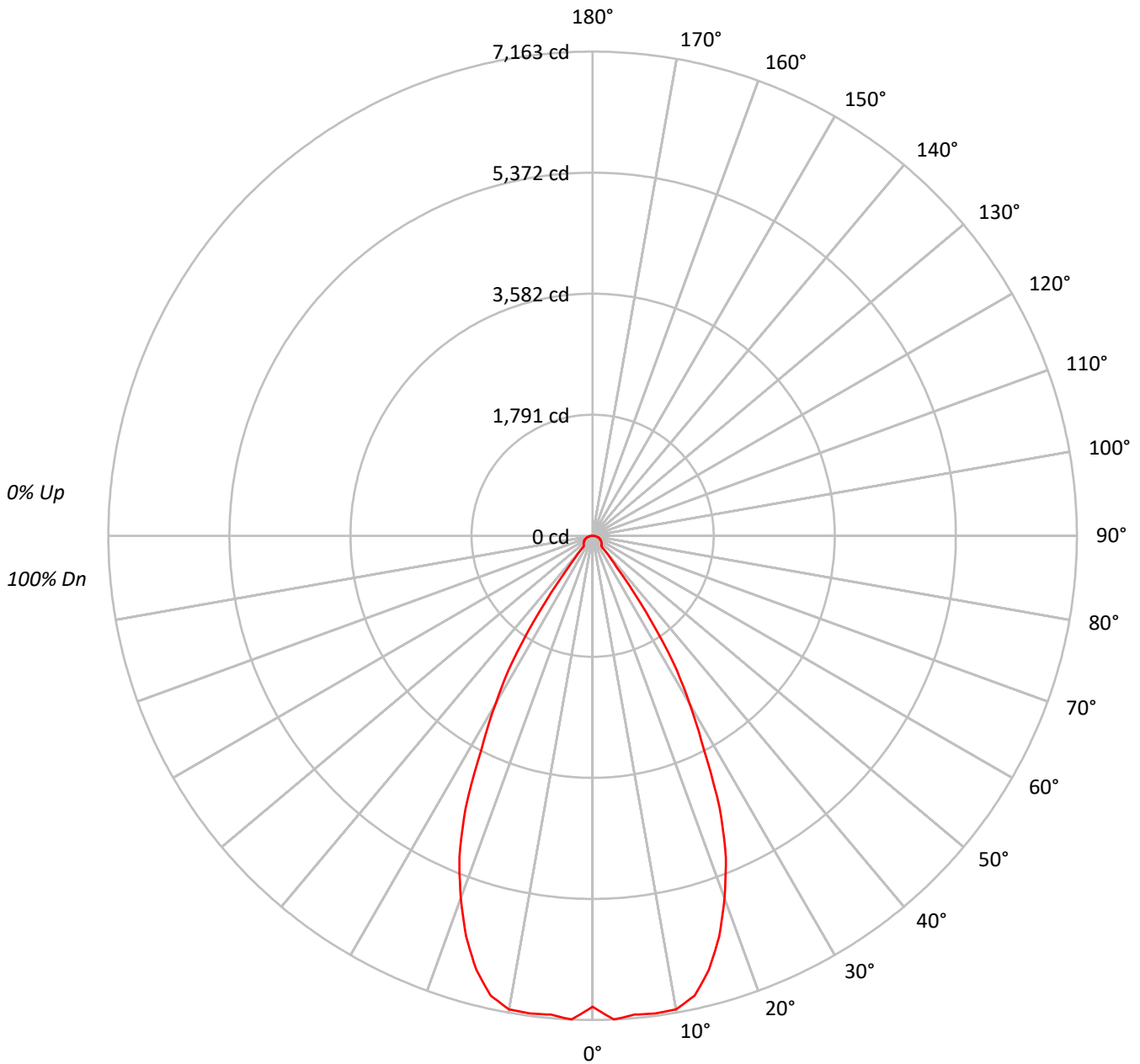


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
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°	761187
5°	779910
10°	789327
15°	751944
20°	662976
25°	536233
30°	362720
35°	181761
40°	29482
45°	28864
50°	29440
55°	29888
60°	30702
65°	31412
70°	32137
75°	32548
80°	31397
85°	26201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 32548 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.6	11.6
10°-20°	1838.8	31.3
20°-30°	1978.3	33.7
30°-40°	860.0	14.7
40°-50°	144.4	2.5
50°-60°	140.5	2.4
60°-70°	120.1	2.0
70°-80°	80.4	1.4
80°-90°	24.1	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°	4496.7	76.7
0°-40°	5356.7	91.3
0°-60°	5641.6	96.2
0°-90°	5866.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5866.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6967	
5°	7111	680
15°	6648	1839
25°	4448	1978
35°	1363	860
45°	187	144
55°	157	140
65°	122	120
75°	77	80
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6966.7
2.5°	7162.6
5°	7110.9
7.5°	7127.2
10°	7114.5
12.5°	6967.6
15°	6647.6
17.5°	6217.8
20°	5701.9
22.5°	5149.8
25°	4448.0
27.5°	3557.7
30°	2875.0
32.5°	2215.9
35°	1362.7
37.5°	583.0
40°	206.7
42.5°	190.4
45°	186.8
47.5°	180.4
50°	173.2
52.5°	165.0
55°	156.9
57.5°	148.7
60°	140.5
62.5°	131.5
65°	121.5
67.5°	111.5
70°	100.6
72.5°	88.9
75°	77.1
77.5°	63.5
80°	49.9
82.5°	35.4
85°	20.9
87.5°	7.3
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)