

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: P750506

Luminaire Tested: LD4D55D010-EU4DR7055659027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750506
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: LD4D55D010-EU4DR7055659027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5361.0 lumens
Efficiency: N/A
Efficacy: 92.1 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): 58.2
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

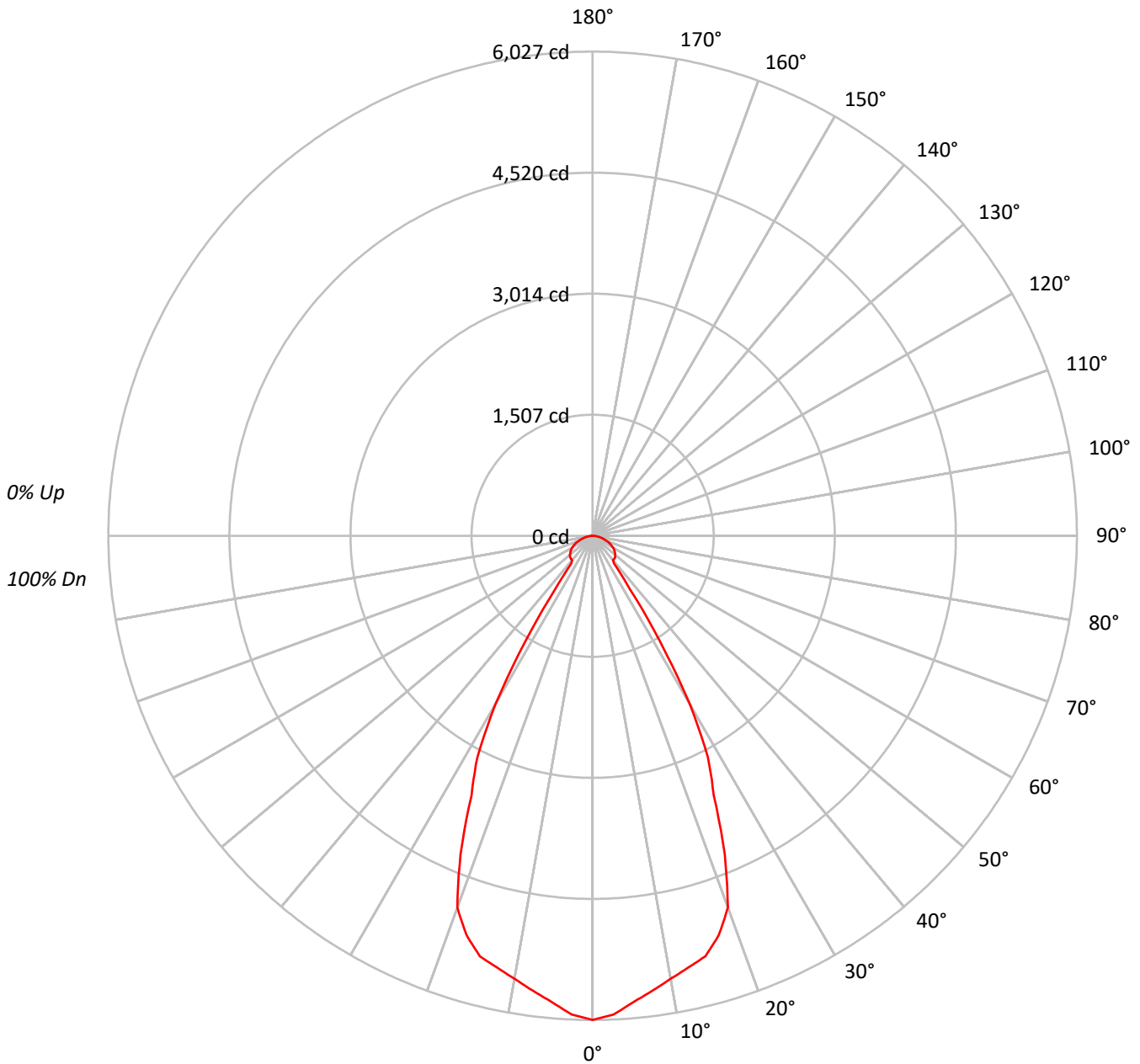


Downlight

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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°	658547
5°	638985
10°	621166
15°	613016
20°	572435
25°	430035
30°	304003
35°	107680
40°	56624
45°	60308
50°	62450
55°	63624
60°	64027
65°	62668
70°	59132
75°	54795
80°	48638
85°	39489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 64035 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.5	10.3
10°-20°	1507.3	28.1
20°-30°	1660.1	31.0
30°-40°	634.3	11.8
40°-50°	299.5	5.6
50°-60°	297.7	5.6
60°-70°	238.4	4.4
70°-80°	137.0	2.6
80°-90°	37.2	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°	3716.9	69.3
0°-40°	4351.2	81.2
0°-60°	4948.4	92.3
0°-90°	5361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6027	
5°	5826	550
15°	5419	1507
25°	3567	1660
35°	807	634
45°	390	299
55°	334	298
65°	242	238
75°	130	137
85°	32	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6027.3
2.5°	5964.3
5°	5826.0
7.5°	5710.5
10°	5598.8
12.5°	5504.4
15°	5419.4
17.5°	5214.3
20°	4923.2
22.5°	4295.3
25°	3567.1
27.5°	3105.3
30°	2409.6
32.5°	1556.5
35°	807.3
37.5°	436.1
40°	397.0
42.5°	394.1
45°	390.3
47.5°	381.7
50°	367.4
52.5°	351.2
55°	334.0
57.5°	314.9
60°	293.0
62.5°	268.2
65°	242.4
67.5°	213.8
70°	185.1
72.5°	156.5
75°	129.8
77.5°	102.1
80°	77.3
82.5°	54.4
85°	31.5
87.5°	12.4
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)