

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: P753495

Luminaire Tested: LD4D75BD010-EU4DR6070959035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753495
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: LD4D75BD010-EU4DR6070959035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5721.2 lumens
Efficiency: N/A
Efficacy: 79.0 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): 72.4
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

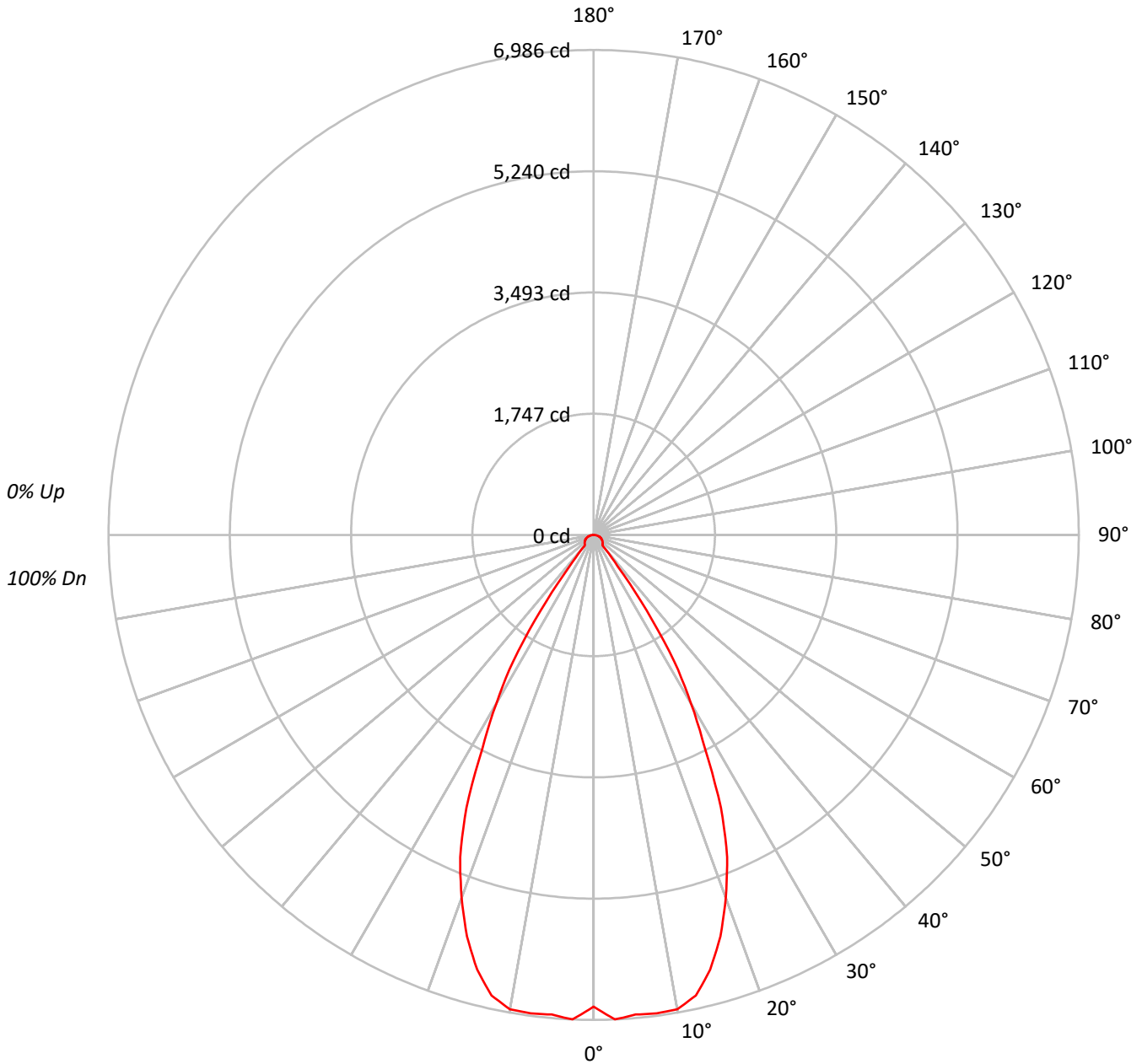


Downlight

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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	742383
5°	760640
10°	769823
15°	733359
20°	646593
25°	522984
30°	353762
35°	177266
40°	28754
45°	28153
50°	28710
55°	29145
60°	29959
65°	30636
70°	31371
75°	31746
80°	30579
85°	25449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 31746 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.8	11.6
10°-20°	1793.3	31.3
20°-30°	1929.5	33.7
30°-40°	838.7	14.7
40°-50°	140.9	2.5
50°-60°	137.0	2.4
60°-70°	117.2	2.0
70°-80°	78.4	1.4
80°-90°	23.4	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°	4385.6	76.7
0°-40°	5224.3	91.3
0°-60°	5502.2	96.2
0°-90°	5721.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5721.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6795	
5°	6935	663
15°	6483	1793
25°	4338	1929
35°	1329	839
45°	182	141
55°	153	137
65°	118	117
75°	75	78
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6794.6
2.5°	6985.6
5°	6935.2
7.5°	6951.1
10°	6938.7
12.5°	6795.5
15°	6483.3
17.5°	6064.2
20°	5561.0
22.5°	5022.5
25°	4338.1
27.5°	3469.8
30°	2804.0
32.5°	2161.1
35°	1329.0
37.5°	568.6
40°	201.6
42.5°	185.7
45°	182.2
47.5°	176.0
50°	168.9
52.5°	160.9
55°	153.0
57.5°	145.0
60°	137.1
62.5°	128.2
65°	118.5
67.5°	108.8
70°	98.2
72.5°	86.7
75°	75.2
77.5°	61.9
80°	48.6
82.5°	34.5
85°	20.3
87.5°	7.1
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)