

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: P753586

Luminaire Tested: LD4D75BD010-EU4DR6570959040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4949.7 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): 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

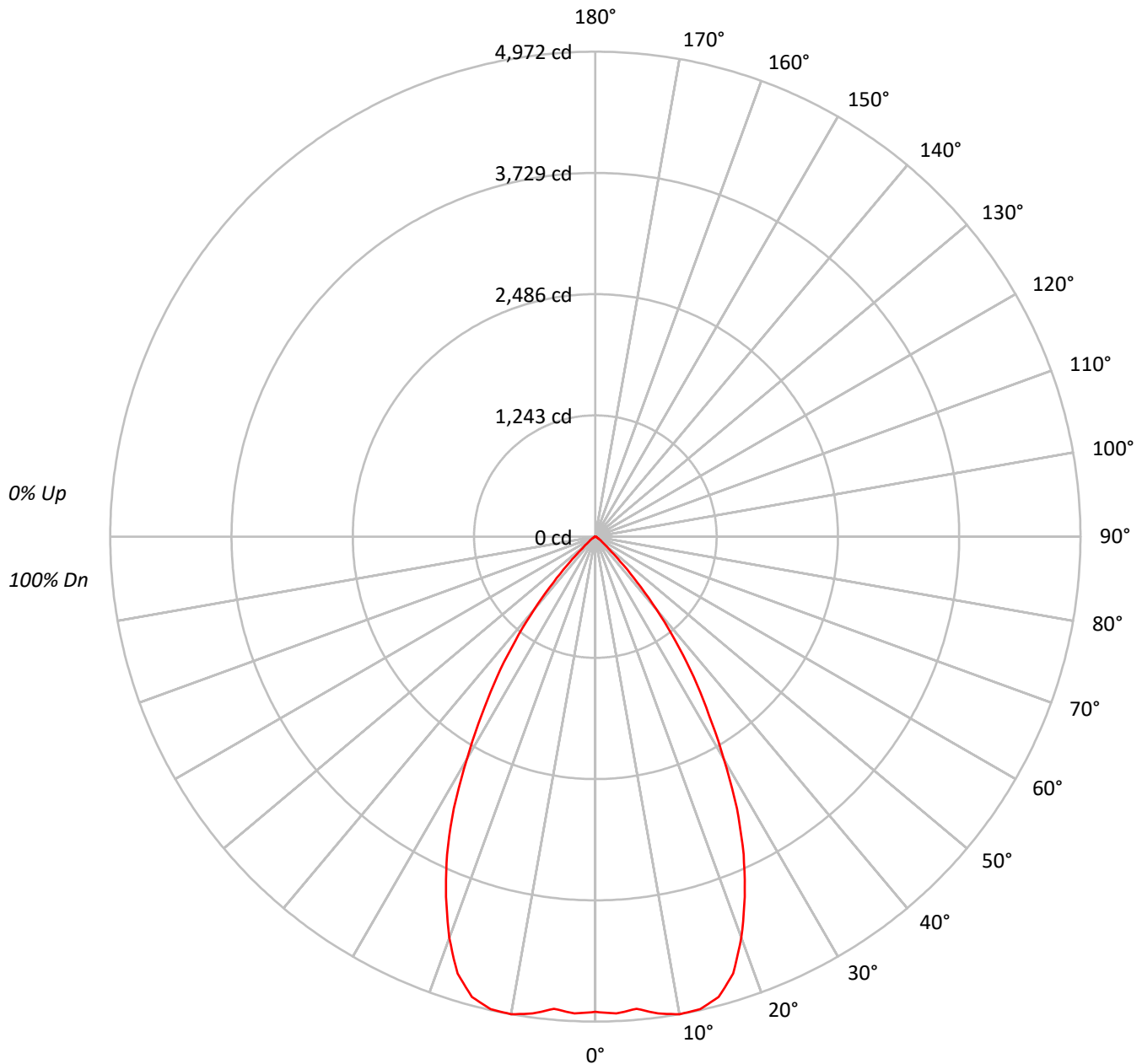


Downlight

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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
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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	532460
5°	532904
10°	551669
15°	552578
20°	508740
25°	433471
30°	331835
35°	234434
40°	138379
45°	56183
50°	20364
55°	11353
60°	6512
65°	3594
70°	3770
75°	2913
80°	3020
85°	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56183 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.3	9.5
10°-20°	1353.6	27.3
20°-30°	1624.1	32.8
30°-40°	1091.4	22.0
40°-50°	326.7	6.6
50°-60°	57.7	1.2
60°-70°	16.4	0.3
70°-80°	8.0	0.2
80°-90°	2.6	0.1
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°	3446.9	69.6
0°-40°	4538.3	91.7
0°-60°	4922.7	99.5
0°-90°	4949.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4949.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4873	
5°	4859	469
15°	4885	1354
25°	3596	1624
35°	1758	1091
45°	364	327
55°	60	58
65°	14	16
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4873.3
2.5°	4894.1
5°	4858.8
7.5°	4932.2
10°	4972.4
12.5°	4962.7
15°	4885.1
17.5°	4695.4
20°	4375.4
22.5°	3998.7
25°	3595.6
27.5°	3140.6
30°	2630.2
32.5°	2167.6
35°	1757.6
37.5°	1352.5
40°	970.2
42.5°	633.7
45°	363.6
47.5°	192.5
50°	119.8
52.5°	83.1
55°	59.6
57.5°	42.9
60°	29.8
62.5°	19.4
65°	13.9
67.5°	12.5
70°	11.8
72.5°	9.0
75°	6.9
77.5°	6.2
80°	4.8
82.5°	3.5
85°	2.1
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)