

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: P753639

Luminaire Tested: LD4D75BD010-EU4DR7070959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753639
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: LD4D75BD010-EU4DR7070959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7236.6 lumens
Efficiency: N/A
Efficacy: 100.0 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): 72.4
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

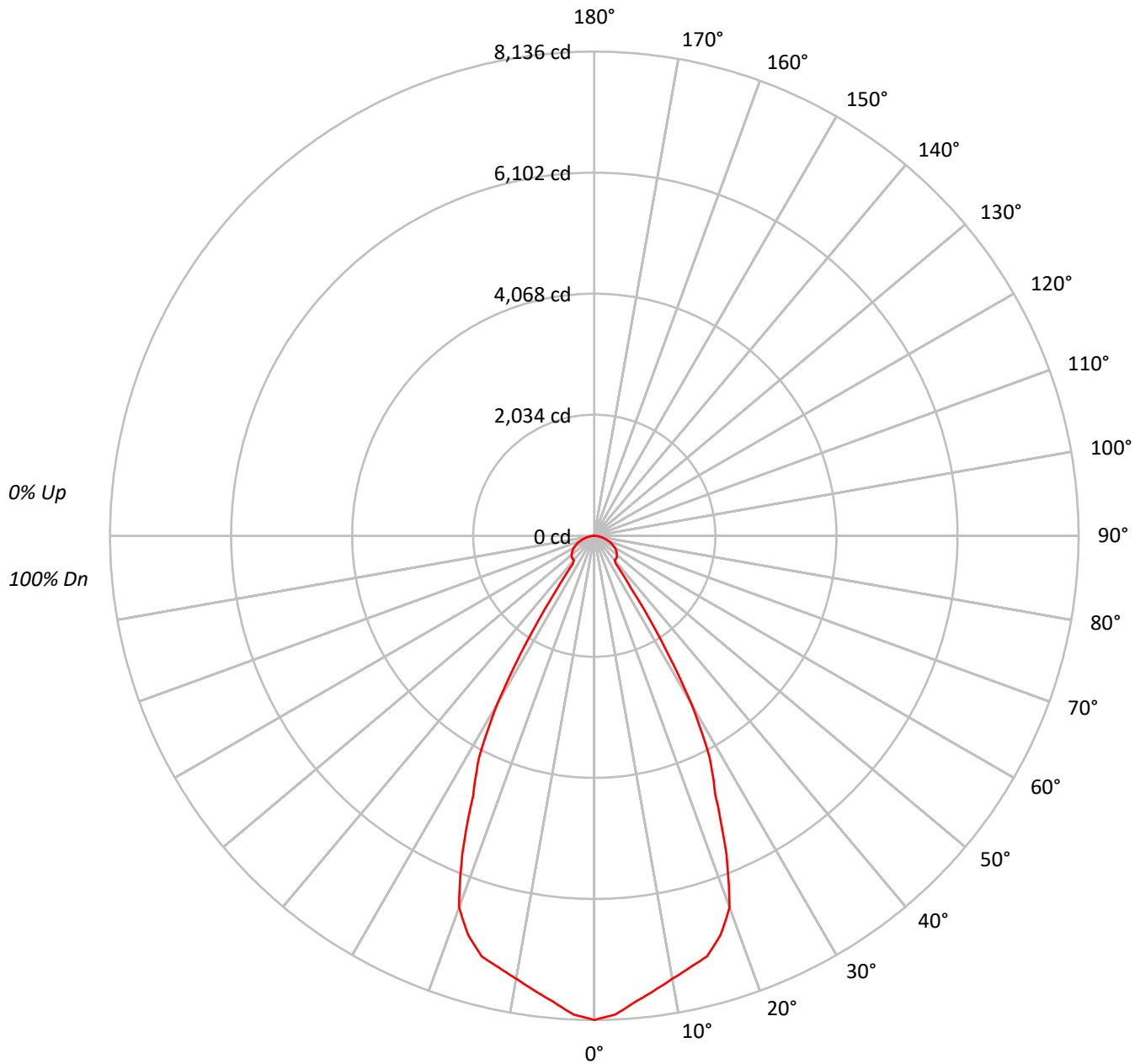


Downlight

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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				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°	888945
5°	862531
10°	838488
15°	827482
20°	772703
25°	580489
30°	410359
35°	145361
40°	76435
45°	81416
50°	84293
55°	85892
60°	86425
65°	84592
70°	79832
75°	73961
80°	65626
85°	53279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 86445 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.8	10.3
10°-20°	2034.6	28.1
20°-30°	2240.9	31.0
30°-40°	856.2	11.8
40°-50°	404.3	5.6
50°-60°	401.9	5.6
60°-70°	321.8	4.4
70°-80°	184.9	2.6
80°-90°	50.3	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°	5017.2	69.3
0°-40°	5873.4	81.2
0°-60°	6679.6	92.3
0°-90°	7236.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7236.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8136	
5°	7864	742
15°	7315	2035
25°	4815	2241
35°	1090	856
45°	527	404
55°	451	402
65°	327	322
75°	175	185
85°	42	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8136.0
2.5°	8051.0
5°	7864.2
7.5°	7708.3
10°	7557.6
12.5°	7430.1
15°	7315.4
17.5°	7038.5
20°	6645.6
22.5°	5798.0
25°	4815.1
27.5°	4191.7
30°	3252.6
32.5°	2101.0
35°	1089.8
37.5°	588.7
40°	535.9
42.5°	532.0
45°	526.9
47.5°	515.3
50°	495.9
52.5°	474.0
55°	450.9
57.5°	425.1
60°	395.5
62.5°	362.0
65°	327.2
67.5°	288.5
70°	249.9
72.5°	211.3
75°	175.2
77.5°	137.8
80°	104.3
82.5°	73.4
85°	42.5
87.5°	16.7
90°	0.0



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— 0°-180°







(END OF REPORT)