

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: P753625

Luminaire Tested: LD4D75BD010-EU4DR7070959027-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753625
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-EU4DR7070959027-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4086.9 lumens
Efficiency: N/A
Efficacy: 56.4 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

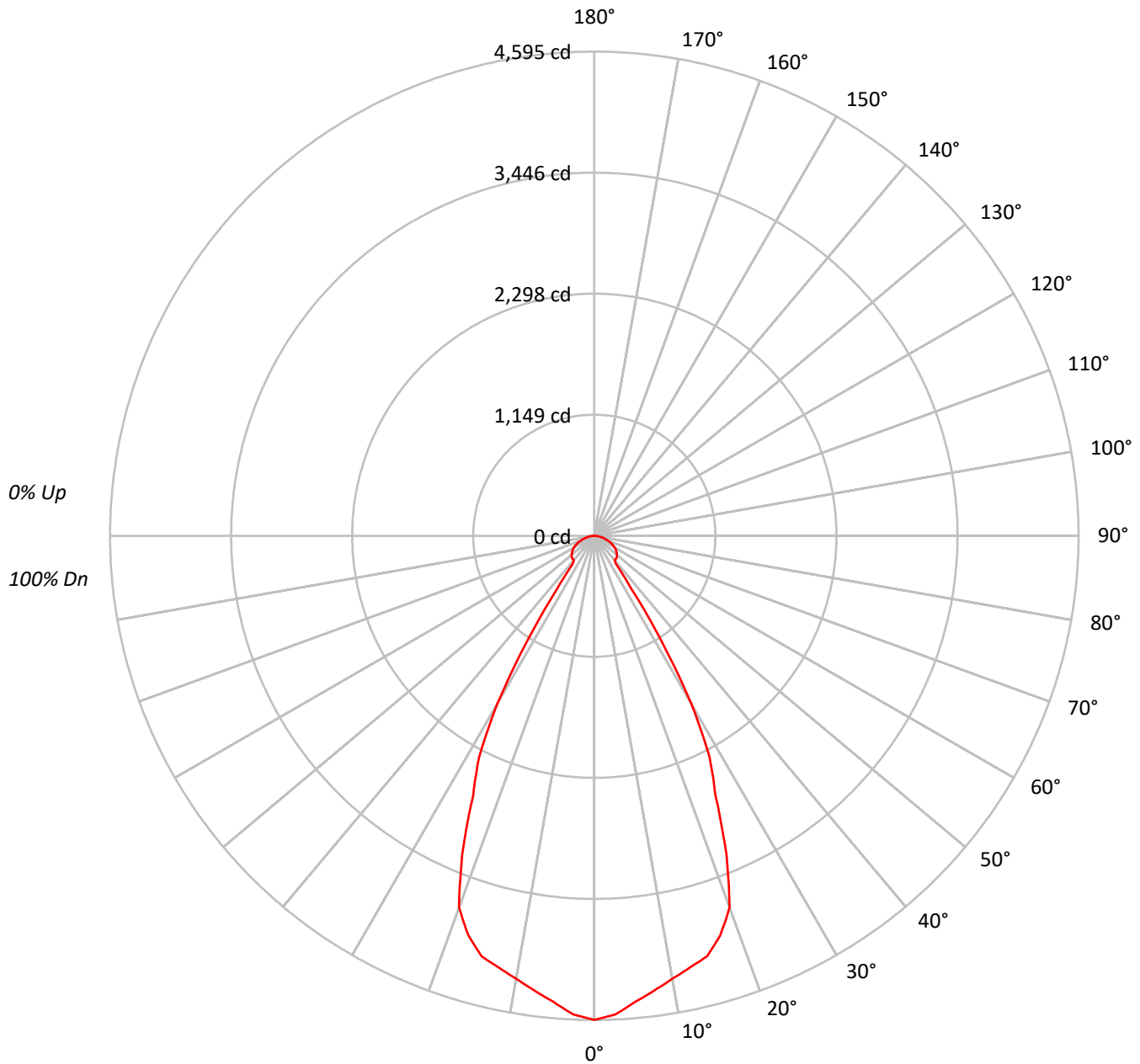


Downlight

TEST NUMBER: P753625

CATALOG NUMBER: LD4D75BD010-EU4DR7070959027-4LBDP1B

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					0
RW	70	50	30	10	70	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
1	112	109	106	103	110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91	103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82	98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75	92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69	87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64	83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59	79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56	75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52	72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49	69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	502042
5°	487124
10°	473541
15°	467324
20°	436384
25°	327840
30°	231750
35°	82097
40°	43160
45°	45969
50°	47611
55°	48499
60°	48796
65°	47777
70°	45075
75°	41751
80°	37060
85°	30087

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 48825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.9	10.3
10°-20°	1149.1	28.1
20°-30°	1265.5	31.0
30°-40°	483.5	11.8
40°-50°	228.3	5.6
50°-60°	227.0	5.6
60°-70°	181.7	4.4
70°-80°	104.4	2.6
80°-90°	28.4	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°	2833.5	69.3
0°-40°	3317.0	81.2
0°-60°	3772.3	92.3
0°-90°	4086.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4086.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4595	
5°	4441	419
15°	4131	1149
25°	2719	1266
35°	616	484
45°	298	228
55°	255	227
65°	185	182
75°	99	104
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4594.9
2.5°	4546.8
5°	4441.4
7.5°	4353.3
10°	4268.2
12.5°	4196.2
15°	4131.4
17.5°	3975.0
20°	3753.1
22.5°	3274.5
25°	2719.4
27.5°	2367.3
30°	1836.9
32.5°	1186.5
35°	615.5
37.5°	332.5
40°	302.6
42.5°	300.5
45°	297.5
47.5°	291.0
50°	280.1
52.5°	267.7
55°	254.6
57.5°	240.1
60°	223.3
62.5°	204.4
65°	184.8
67.5°	163.0
70°	141.1
72.5°	119.3
75°	98.9
77.5°	77.8
80°	58.9
82.5°	41.5
85°	24.0
87.5°	9.5
90°	0.0



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— 0°-180°







(END OF REPORT)