

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: P753548

Luminaire Tested: LD4D75BD010-EU4DR6570959027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753548
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-EU4DR6570959027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6097.7 lumens
Efficiency: N/A
Efficacy: 84.2 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

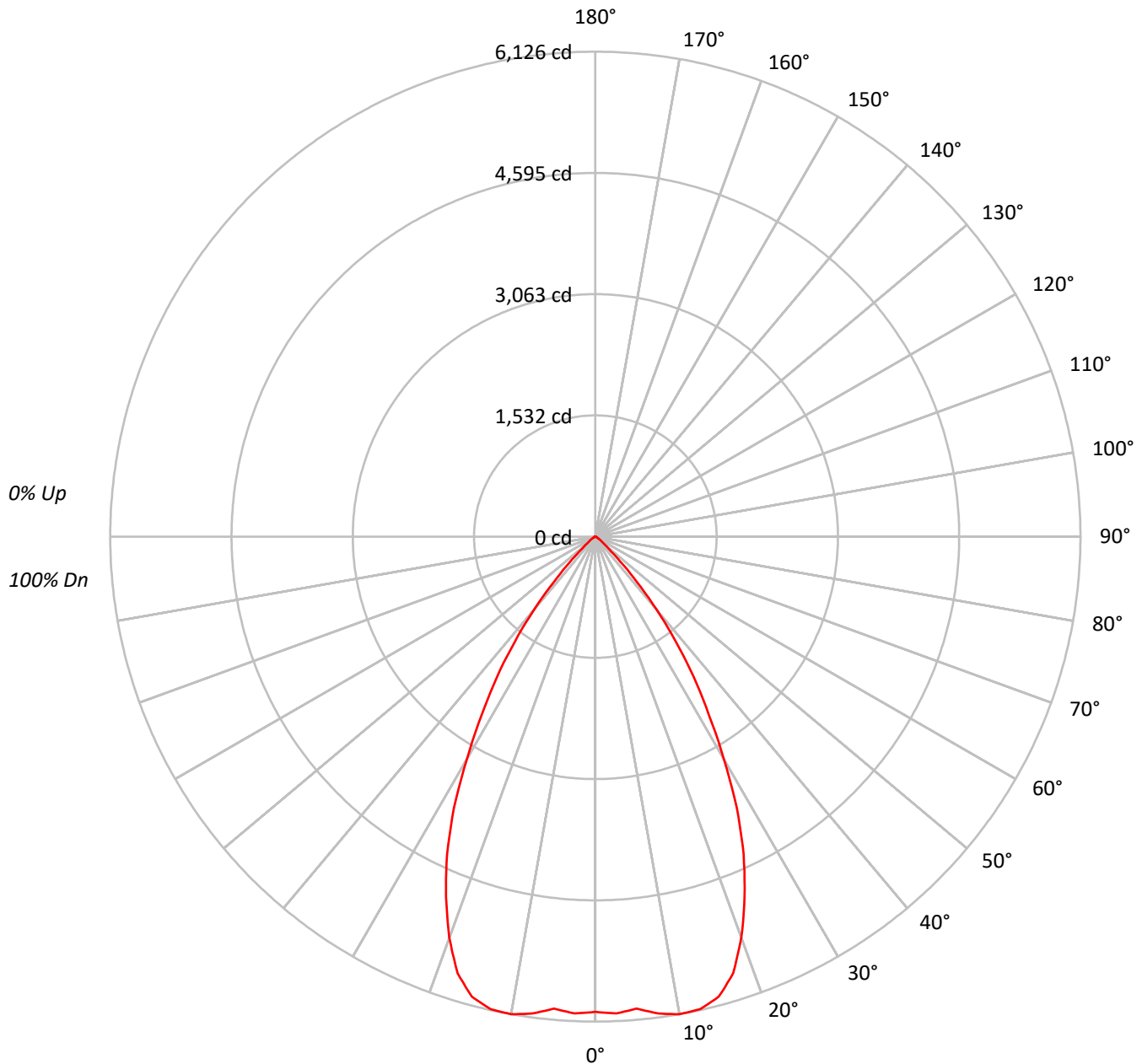


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	655958
5°	656489
10°	679613
15°	680738
20°	626734
25°	534002
30°	408795
35°	288814
40°	170485
45°	69209
50°	25089
55°	13982
60°	8020
65°	4421
70°	4632
75°	3588
80°	3775
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69209 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.1	9.5
10°-20°	1667.5	27.3
20°-30°	2000.7	32.8
30°-40°	1344.5	22.0
40°-50°	402.5	6.6
50°-60°	71.0	1.2
60°-70°	20.2	0.3
70°-80°	9.9	0.2
80°-90°	3.2	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°	4246.3	69.6
0°-40°	5590.9	91.7
0°-60°	6064.4	99.5
0°-90°	6097.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6097.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6004	
5°	5986	578
15°	6018	1668
25°	4430	2001
35°	2165	1345
45°	448	403
55°	73	71
65°	17	20
75°	8	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6003.6
2.5°	6029.2
5°	5985.6
7.5°	6076.1
10°	6125.6
12.5°	6113.6
15°	6018.1
17.5°	5784.3
20°	5390.2
22.5°	4926.0
25°	4429.5
27.5°	3869.0
30°	3240.2
32.5°	2670.3
35°	2165.3
37.5°	1666.2
40°	1195.3
42.5°	780.6
45°	447.9
47.5°	237.2
50°	147.6
52.5°	102.4
55°	73.4
57.5°	52.9
60°	36.7
62.5°	23.9
65°	17.1
67.5°	15.4
70°	14.5
72.5°	11.1
75°	8.5
77.5°	7.7
80°	6.0
82.5°	4.3
85°	2.6
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)