

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: P753575

Luminaire Tested: LD4D75BD010-EU4DR6570959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753575
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-EU4DR6570959035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6665.5 lumens
Efficiency: N/A
Efficacy: 92.1 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

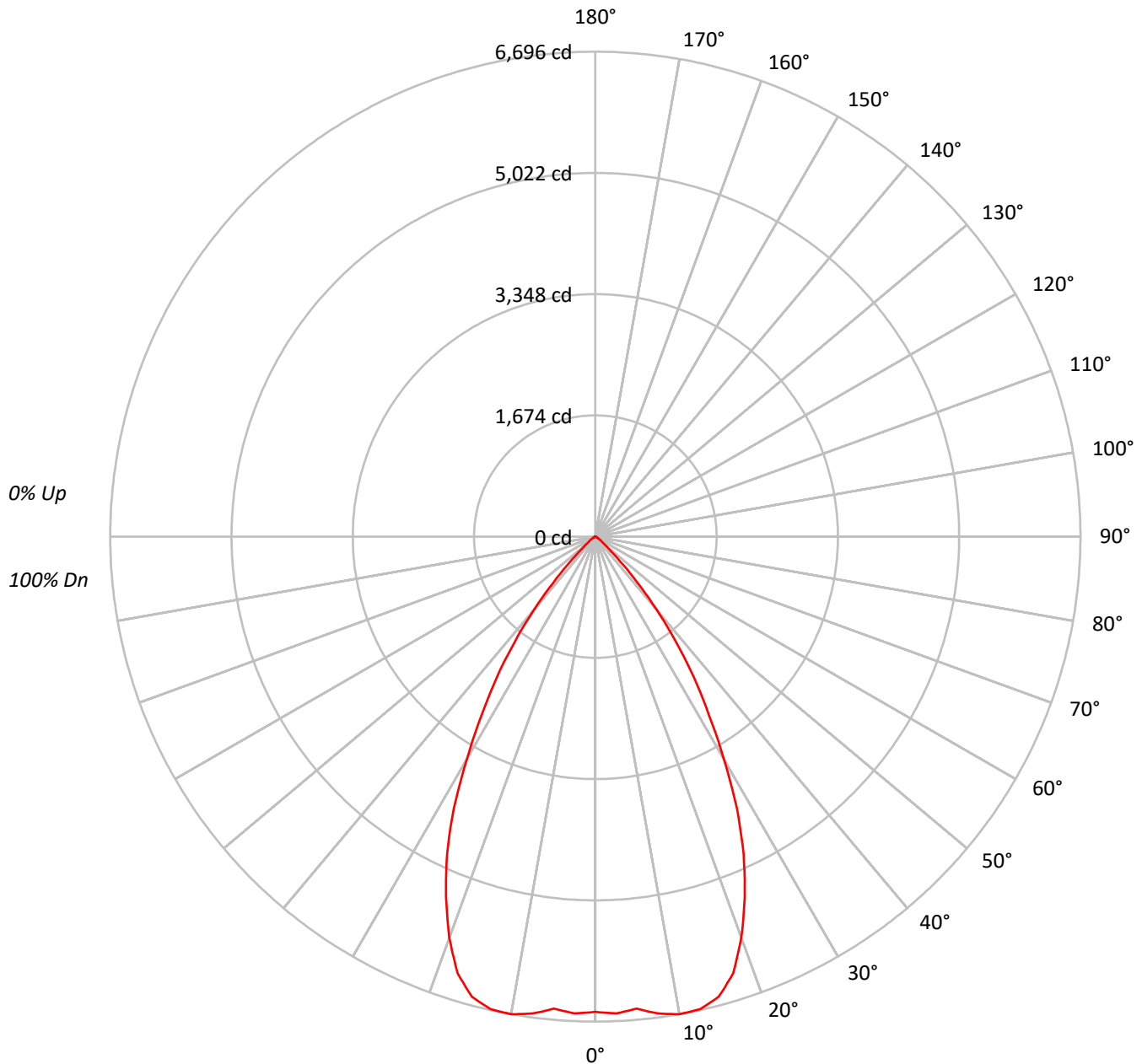


Downlight

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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°	717035
5°	717635
10°	742896
15°	744127
20°	685091
25°	583732
30°	446871
35°	315704
40°	186360
45°	75652
50°	27418
55°	15277
60°	8763
65°	4835
70°	5079
75°	3926
80°	4090
85°	3510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75652 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.9	9.5
10°-20°	1822.8	27.3
20°-30°	2187.0	32.8
30°-40°	1469.8	22.1
40°-50°	440.0	6.6
50°-60°	77.6	1.2
60°-70°	22.1	0.3
70°-80°	10.8	0.2
80°-90°	3.4	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°	4641.8	69.6
0°-40°	6111.6	91.7
0°-60°	6629.2	99.5
0°-90°	6665.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6665.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6563	
5°	6543	632
15°	6578	1823
25°	4842	2187
35°	2367	1470
45°	490	440
55°	80	78
65°	19	22
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6562.6
2.5°	6590.6
5°	6543.1
7.5°	6641.9
10°	6696.0
12.5°	6682.9
15°	6578.5
17.5°	6323.0
20°	5892.1
22.5°	5384.8
25°	4842.0
27.5°	4229.3
30°	3542.0
32.5°	2919.0
35°	2366.9
37.5°	1821.4
40°	1306.6
42.5°	853.3
45°	489.6
47.5°	259.3
50°	161.3
52.5°	111.9
55°	80.2
57.5°	57.8
60°	40.1
62.5°	26.1
65°	18.7
67.5°	16.8
70°	15.9
72.5°	12.1
75°	9.3
77.5°	8.4
80°	6.5
82.5°	4.7
85°	2.8
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)