

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: P753471

Luminaire Tested: LD4D75BD010-EU4DR6070959027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6070959027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7327.5 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

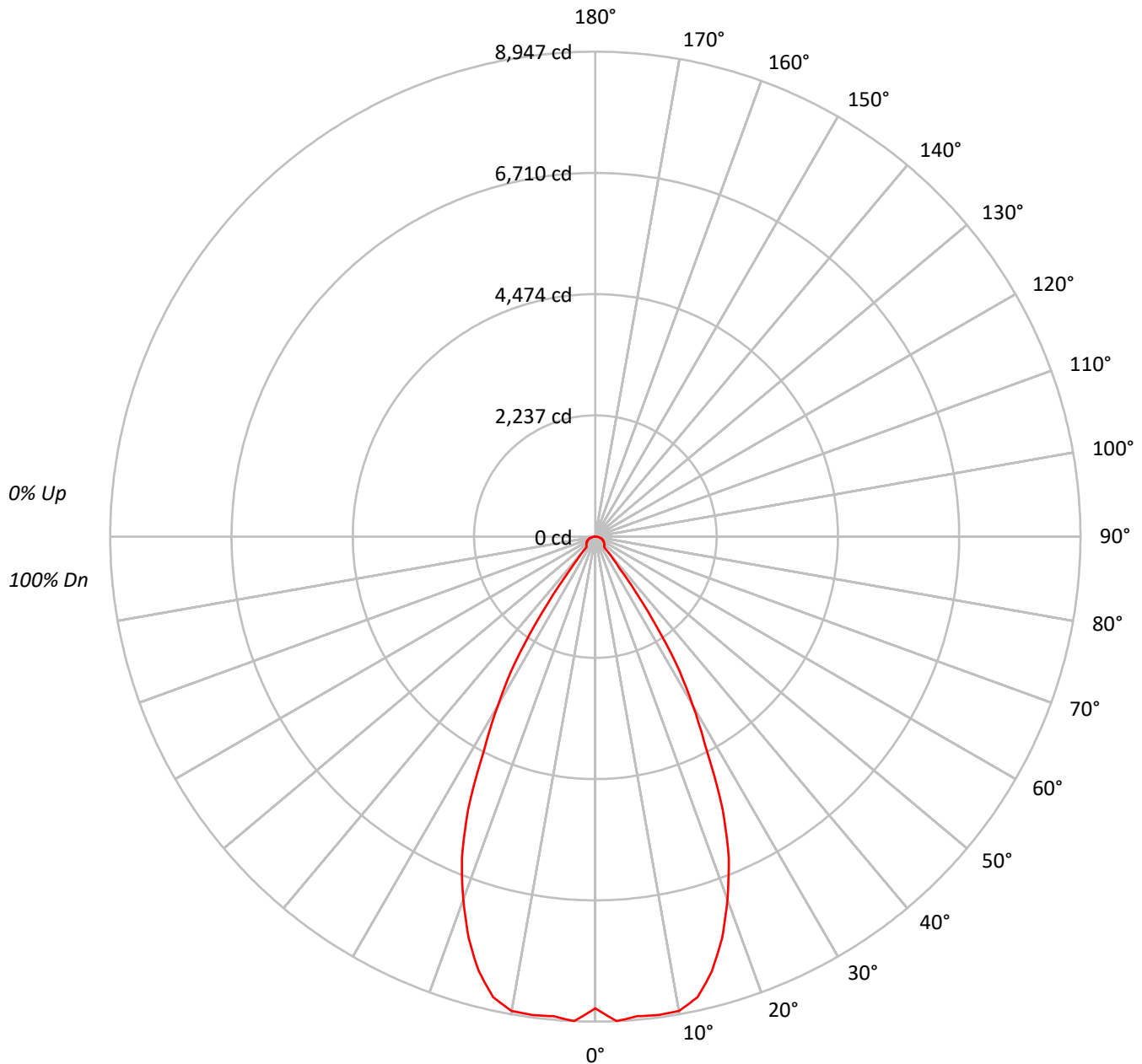


Downlight

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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	950820
5°	974205
10°	985968
15°	939273
20°	828142
25°	669833
30°	453078
35°	227044
40°	36827
45°	36049
50°	36767
55°	37317
60°	38351
65°	39245
70°	40156
75°	40653
80°	39200
85°	32594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 40653 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.9	11.6
10°-20°	2296.8	31.3
20°-30°	2471.2	33.7
30°-40°	1074.2	14.7
40°-50°	180.4	2.5
50°-60°	175.4	2.4
60°-70°	150.0	2.0
70°-80°	100.4	1.4
80°-90°	30.0	0.4
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°	5617.0	76.7
0°-40°	6691.2	91.3
0°-60°	7047.0	96.2
0°-90°	7327.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7327.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8702	
5°	8882	849
15°	8304	2297
25°	5556	2471
35°	1702	1074
45°	233	180
55°	196	175
65°	152	150
75°	96	100
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8702.3
2.5°	8946.9
5°	8882.4
7.5°	8902.8
10°	8886.9
12.5°	8703.4
15°	8303.7
17.5°	7766.8
20°	7122.4
22.5°	6432.7
25°	5556.2
27.5°	4444.0
30°	3591.2
32.5°	2767.9
35°	1702.2
37.5°	728.2
40°	258.2
42.5°	237.8
45°	233.3
47.5°	225.4
50°	216.3
52.5°	206.1
55°	195.9
57.5°	185.7
60°	175.5
62.5°	164.2
65°	151.8
67.5°	139.3
70°	125.7
72.5°	111.0
75°	96.3
77.5°	79.3
80°	62.3
82.5°	44.2
85°	26.0
87.5°	9.1
90°	0.0



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— 0°-180°







(END OF REPORT)