

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: P753509

Luminaire Tested: LD4D75BD010-EU4DR6070959040-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753509
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-EU4DR6070959040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7604.8 lumens
Efficiency: N/A
Efficacy: 105.0 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

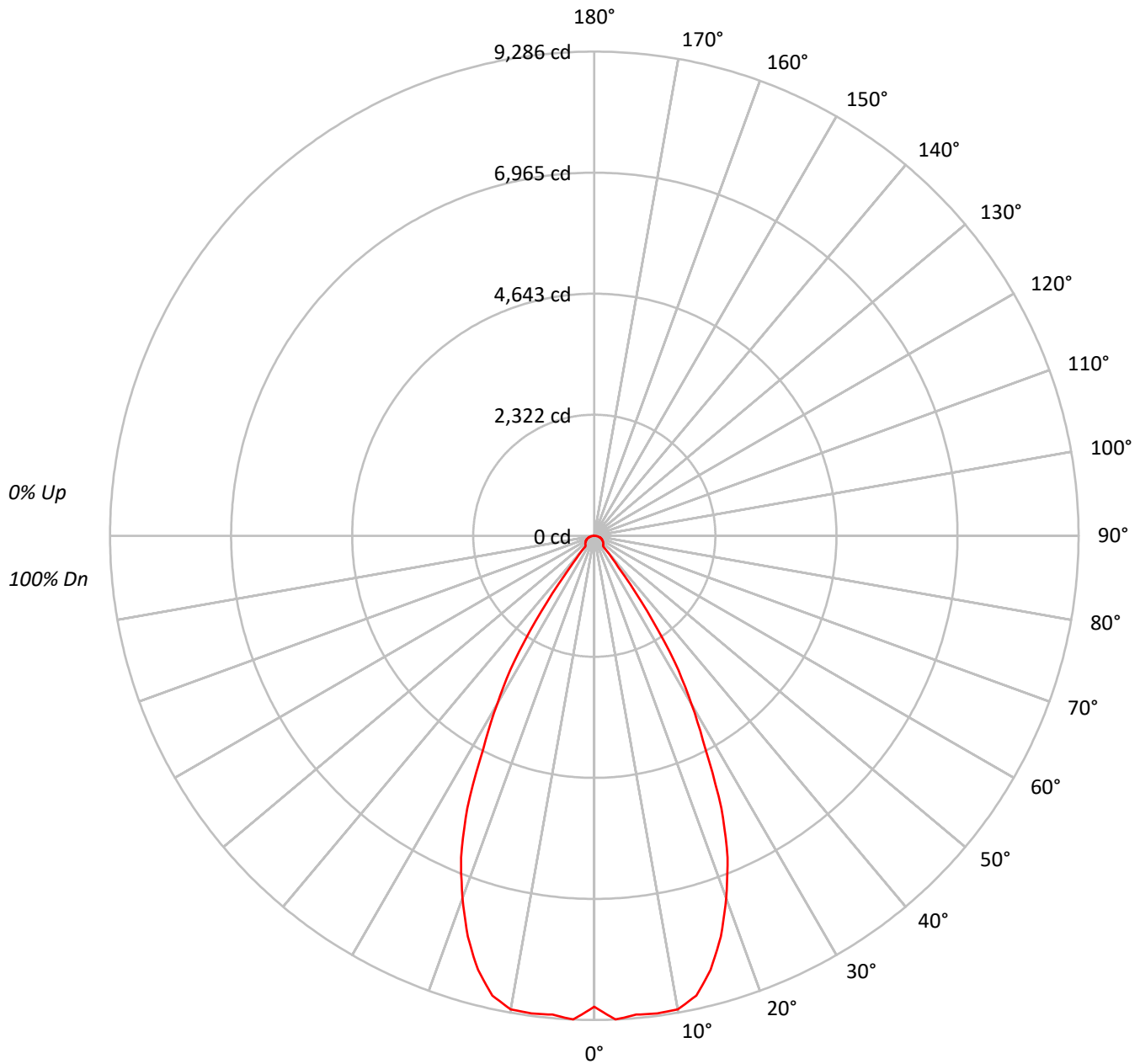


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	986810
5°	1011079
10°	1023291
15°	974826
20°	859489
25°	695186
30°	470236
35°	235634
40°	38225
45°	37409
50°	38160
55°	38727
60°	39815
65°	40719
70°	41689
75°	42173
80°	40647
85°	33848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 42173 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.1	11.6
10°-20°	2383.8	31.3
20°-30°	2564.7	33.7
30°-40°	1114.9	14.7
40°-50°	187.2	2.5
50°-60°	182.1	2.4
60°-70°	155.7	2.0
70°-80°	104.2	1.4
80°-90°	31.1	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°	5829.6	76.7
0°-40°	6944.4	91.3
0°-60°	7313.7	96.2
0°-90°	7604.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7604.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9032	
5°	9219	881
15°	8618	2384
25°	5766	2565
35°	1767	1115
45°	242	187
55°	203	182
65°	158	156
75°	100	104
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9031.7
2.5°	9285.6
5°	9218.6
7.5°	9239.7
10°	9223.3
12.5°	9032.9
15°	8618.0
17.5°	8060.8
20°	7392.0
22.5°	6676.2
25°	5766.5
27.5°	4612.2
30°	3727.2
32.5°	2872.7
35°	1766.6
37.5°	755.8
40°	268.0
42.5°	246.8
45°	242.1
47.5°	233.9
50°	224.5
52.5°	213.9
55°	203.3
57.5°	192.8
60°	182.2
62.5°	170.4
65°	157.5
67.5°	144.6
70°	130.5
72.5°	115.2
75°	99.9
77.5°	82.3
80°	64.6
82.5°	45.8
85°	27.0
87.5°	9.4
90°	0.0



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— 0°-180°







(END OF REPORT)