

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: P751339

Luminaire Tested: LD4D60D010-EU4DR7055659050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751339
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: LD4D60D010-EU4DR7055659050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6793.7 lumens
Efficiency: N/A
Efficacy: 105.5 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): 64.4
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

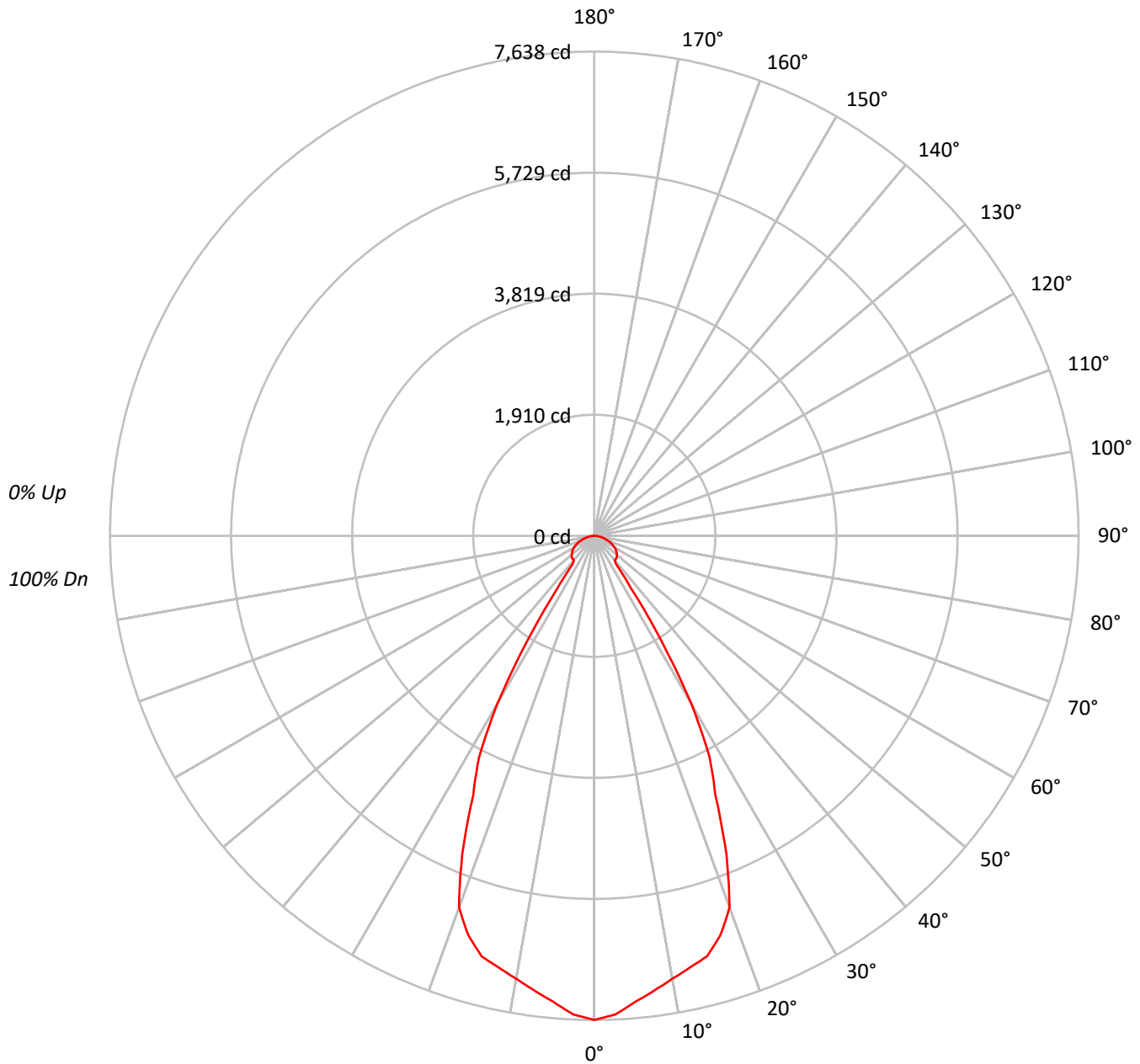


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	834534
5°	809732
10°	787164
15°	776840
20°	725403
25°	544961
30°	385240
35°	136464
40°	71757
45°	76425
50°	79142
55°	80635
60°	81137
65°	79421
70°	74945
75°	69444
80°	61662
85°	50020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 81158 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.4	10.3
10°-20°	1910.1	28.1
20°-30°	2103.7	31.0
30°-40°	803.8	11.8
40°-50°	379.5	5.6
50°-60°	377.3	5.6
60°-70°	302.1	4.4
70°-80°	173.6	2.6
80°-90°	47.2	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°	4710.1	69.3
0°-40°	5513.9	81.2
0°-60°	6270.7	92.3
0°-90°	6793.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6793.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7638	
5°	7383	696
15°	6868	1910
25°	4520	2104
35°	1023	804
45°	495	380
55°	423	377
65°	307	302
75°	164	174
85°	40	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7638.0
2.5°	7558.2
5°	7382.8
7.5°	7236.5
10°	7095.0
12.5°	6975.3
15°	6867.7
17.5°	6607.7
20°	6238.8
22.5°	5443.1
25°	4520.4
27.5°	3935.1
30°	3053.5
32.5°	1972.4
35°	1023.1
37.5°	552.7
40°	503.1
42.5°	499.4
45°	494.6
47.5°	483.7
50°	465.6
52.5°	445.0
55°	423.3
57.5°	399.1
60°	371.3
62.5°	339.8
65°	307.2
67.5°	270.9
70°	234.6
72.5°	198.3
75°	164.5
77.5°	129.4
80°	98.0
82.5°	68.9
85°	39.9
87.5°	15.7
90°	0.0



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— 0°-180°







(END OF REPORT)