

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: P751287

Luminaire Tested: LD4D60D010-EU4DR7055659027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751287
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-EU4DR7055659027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6190.0 lumens
Efficiency: N/A
Efficacy: 96.1 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 (A_{in}): 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

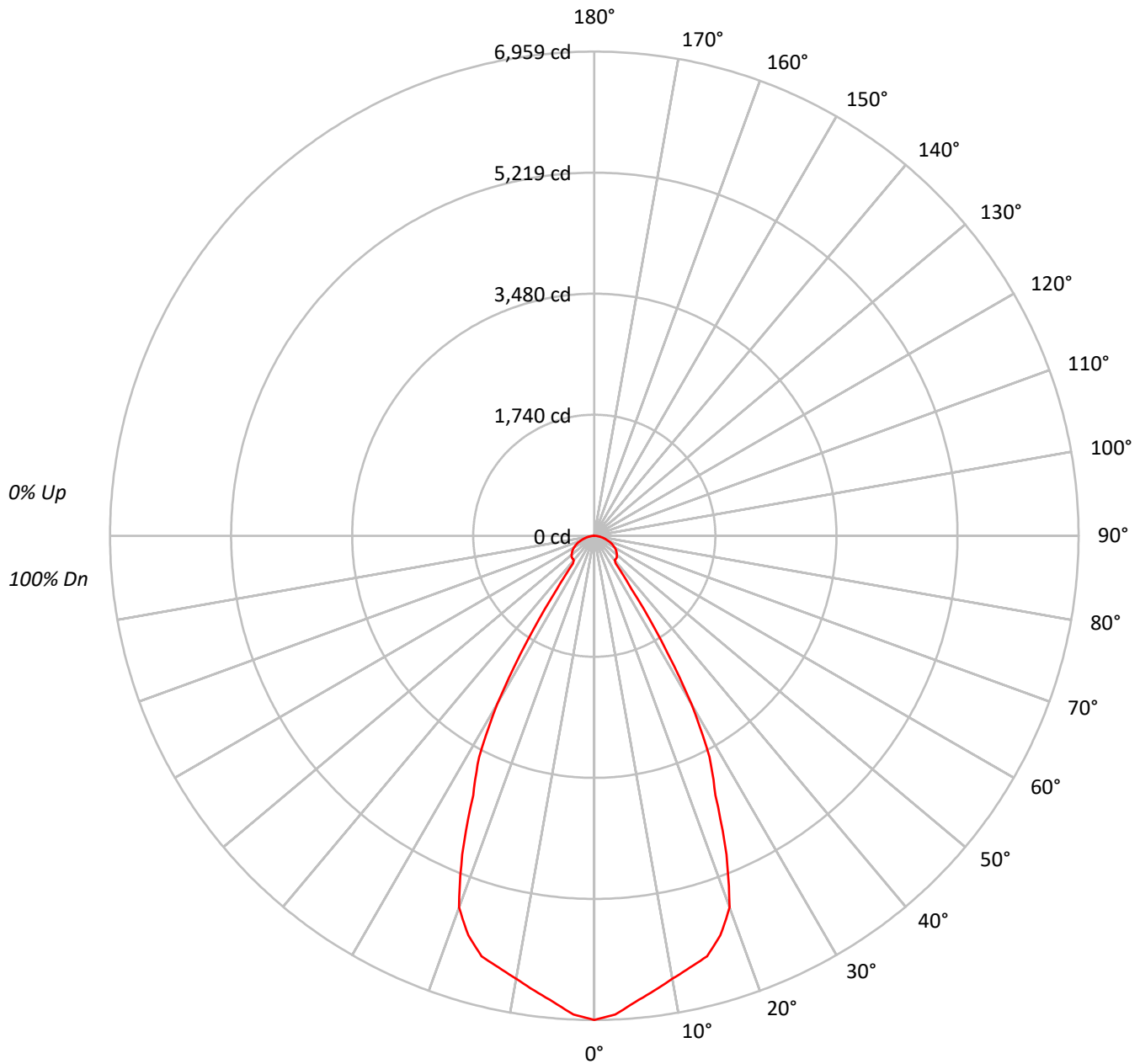


Downlight

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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	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	760378
5°	737783
10°	717212
15°	707806
20°	660941
25°	496534
30°	351012
35°	124339
40°	65381
45°	69641
50°	72105
55°	73453
60°	73926
65°	72363
70°	68300
75°	63280
80°	56125
85°	45632

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 73939 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.5	10.3
10°-20°	1740.4	28.1
20°-30°	1916.8	31.0
30°-40°	732.3	11.8
40°-50°	345.8	5.6
50°-60°	343.8	5.6
60°-70°	275.2	4.4
70°-80°	158.2	2.6
80°-90°	43.0	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°	4291.6	69.3
0°-40°	5023.9	81.2
0°-60°	5713.5	92.3
0°-90°	6190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6190.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6959	
5°	6727	634
15°	6257	1740
25°	4119	1917
35°	932	732
45°	451	346
55°	386	344
65°	280	275
75°	150	158
85°	36	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6959.3
2.5°	6886.6
5°	6726.8
7.5°	6593.5
10°	6464.5
12.5°	6355.5
15°	6257.4
17.5°	6020.5
20°	5684.4
22.5°	4959.4
25°	4118.7
27.5°	3585.4
30°	2782.2
32.5°	1797.1
35°	932.2
37.5°	503.5
40°	458.4
42.5°	455.1
45°	450.7
47.5°	440.7
50°	424.2
52.5°	405.5
55°	385.6
57.5°	363.6
60°	338.3
62.5°	309.6
65°	279.9
67.5°	246.8
70°	213.8
72.5°	180.7
75°	149.9
77.5°	117.9
80°	89.2
82.5°	62.8
85°	36.4
87.5°	14.3
90°	0.0



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— 0°-180°







(END OF REPORT)