

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: P751338

Luminaire Tested: LD4D60D010-EU4DR7055659050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751338
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-EU4DR7055659050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-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: 6470.1 lumens
Efficiency: N/A
Efficacy: 100.5 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

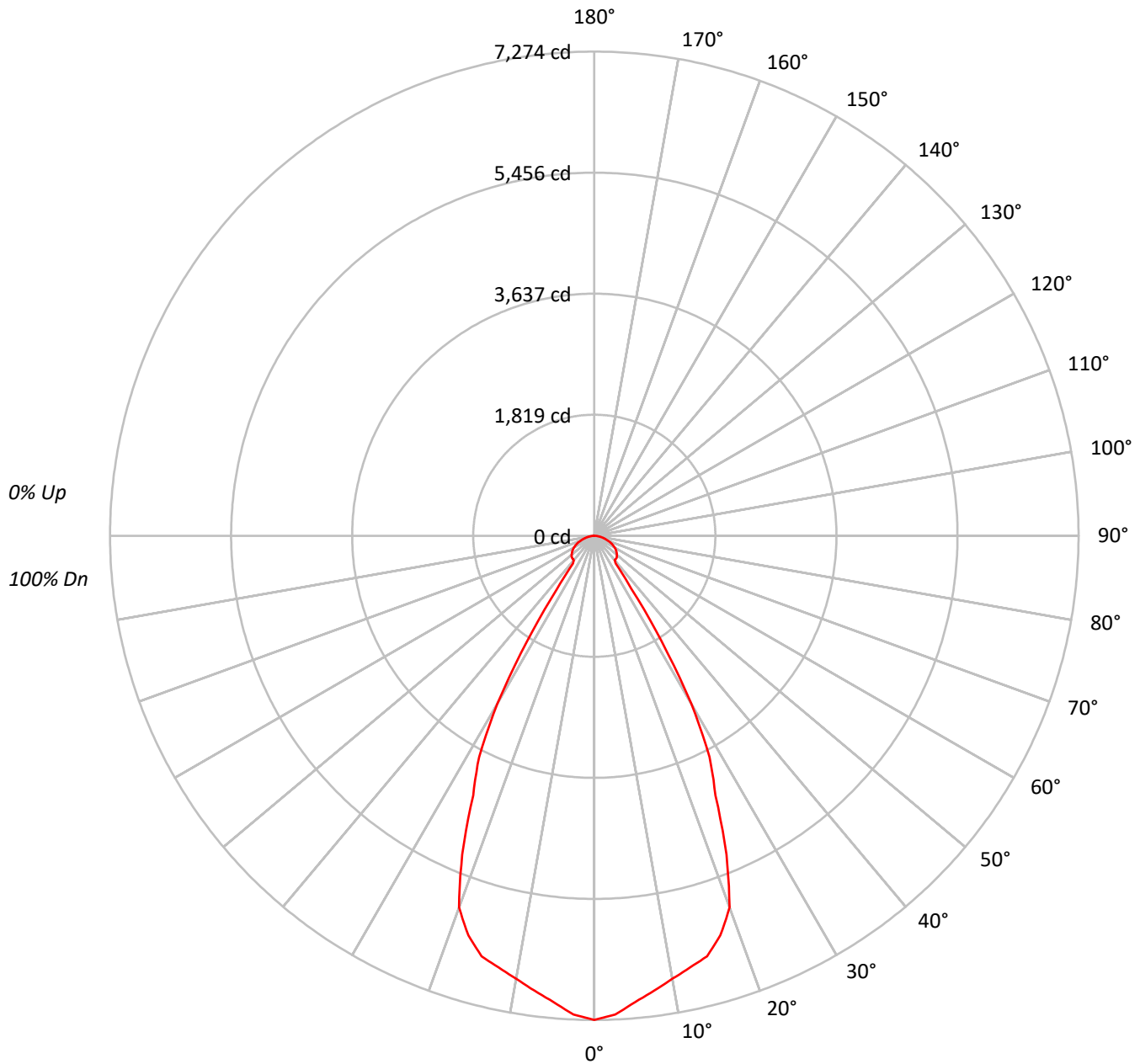


Downlight

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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	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°	794796
5°	771180
10°	749686
15°	739840
20°	690858
25°	519005
30°	366896
35°	129968
40°	68334
45°	72793
50°	75369
55°	76787
60°	77269
65°	75621
70°	71367
75°	66109
80°	58705
85°	47638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 77294 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.2	10.3
10°-20°	1819.1	28.1
20°-30°	2003.5	31.0
30°-40°	765.5	11.8
40°-50°	361.5	5.6
50°-60°	359.3	5.6
60°-70°	287.7	4.4
70°-80°	165.3	2.6
80°-90°	44.9	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°	4485.8	69.3
0°-40°	5251.3	81.2
0°-60°	5972.1	92.3
0°-90°	6470.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6470.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7274	
5°	7031	663
15°	6541	1819
25°	4305	2004
35°	974	765
45°	471	361
55°	403	359
65°	292	288
75°	157	165
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7274.3
2.5°	7198.3
5°	7031.3
7.5°	6891.9
10°	6757.2
12.5°	6643.1
15°	6540.6
17.5°	6293.0
20°	5941.7
22.5°	5183.9
25°	4305.1
27.5°	3747.7
30°	2908.1
32.5°	1878.5
35°	974.4
37.5°	526.3
40°	479.1
42.5°	475.7
45°	471.1
47.5°	460.7
50°	443.4
52.5°	423.8
55°	403.1
57.5°	380.1
60°	353.6
62.5°	323.6
65°	292.5
67.5°	258.0
70°	223.4
72.5°	188.9
75°	156.6
77.5°	123.2
80°	93.3
82.5°	65.6
85°	38.0
87.5°	15.0
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)