

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: P751017

Luminaire Tested: LD4D60D010-EU4DR5055659040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR5055659040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6949.5 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

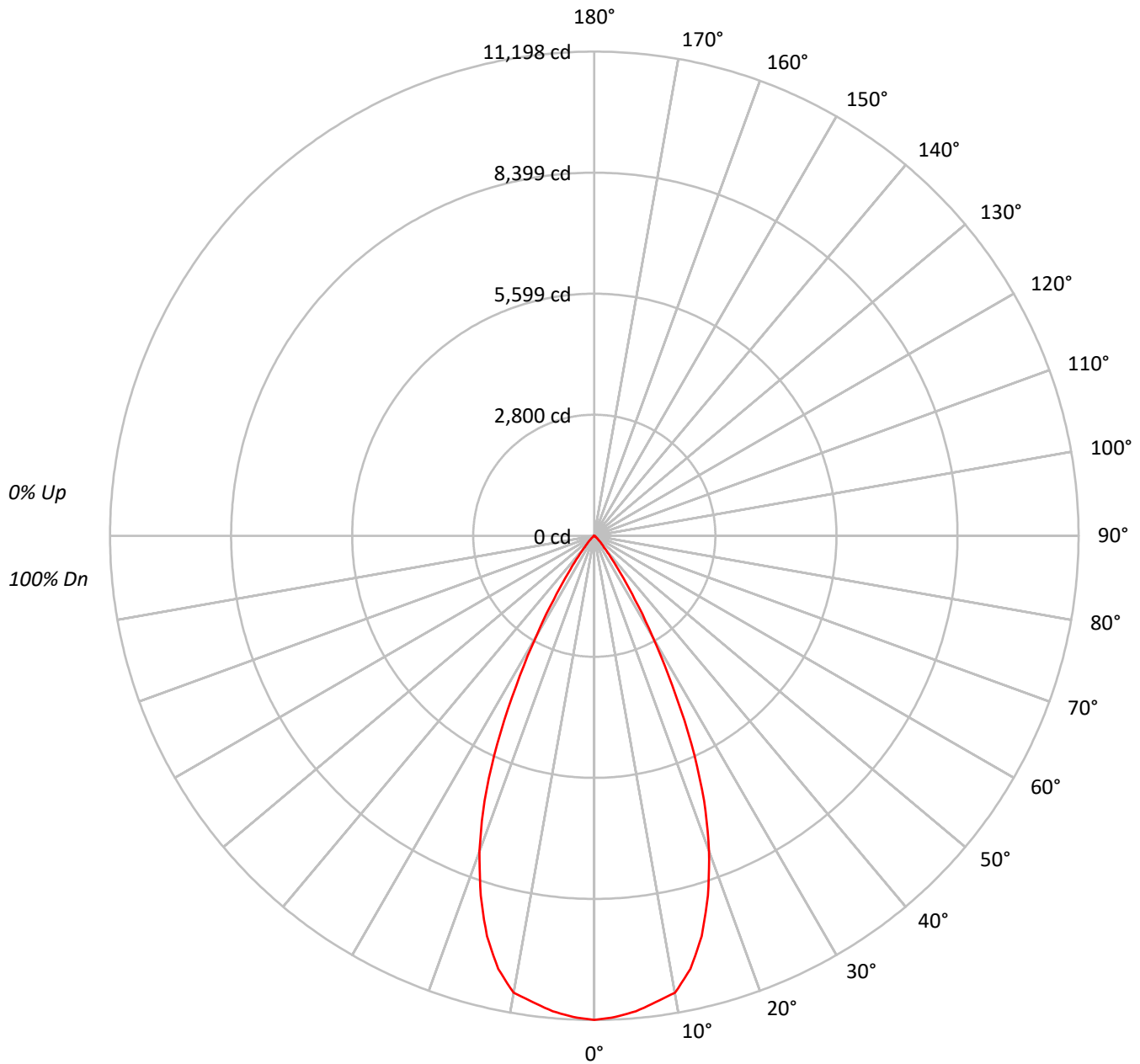


Downlight

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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	112	109	107	112	110	108	106		106	104	102			102	101	99			98
2	109	105	101	98	107	103	100	97		100	98	95			97	95	93			95
3	105	99	95	91	103	98	94	90		95	92	89			93	90	88			91
4	100	94	89	85	99	93	88	85		90	87	84			89	85	83			87
5	96	89	84	80	95	88	83	79		86	82	79			85	81	78			83
6	92	84	79	75	91	83	79	75		82	78	74			81	77	74			79
7	88	80	75	71	87	79	74	71		78	74	71			77	73	70			76
8	85	76	71	67	84	76	71	67		75	70	67			74	70	67			73
9	81	73	68	64	80	72	67	64		71	67	64			71	67	64			70
10	78	70	64	61	77	69	64	61		68	64	61			68	64	61			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1223447
5°	1210627
10°	1190687
15°	1084219
20°	902196
25°	640417
30°	338976
35°	138131
40°	51304
45°	23487
50°	9621
55°	5029
60°	2469
65°	724
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1043.3	15.0
10°-20°	2636.7	37.9
20°-30°	2368.4	34.1
30°-40°	741.5	10.7
40°-50°	129.8	1.9
50°-60°	25.9	0.4
60°-70°	3.9	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	6048.4	87.0
0°-40°	6790.0	97.7
0°-60°	6945.6	99.9
0°-90°	6949.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6949.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11198	
5°	11038	###
15°	9585	2637
25°	5312	2368
35°	1036	742
45°	152	130
55°	26	26
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11197.5
2.5°	11141.8
5°	11038.0
7.5°	10879.4
10°	10732.1
12.5°	10260.1
15°	9585.1
17.5°	8727.9
20°	7759.3
22.5°	6638.7
25°	5312.2
27.5°	3905.6
30°	2686.8
32.5°	1749.3
35°	1035.6
37.5°	594.8
40°	359.7
42.5°	234.1
45°	152.0
47.5°	92.5
50°	56.6
52.5°	38.7
55°	26.4
57.5°	17.9
60°	11.3
62.5°	6.6
65°	2.8
67.5°	0.9
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)