

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: P750624

Luminaire Tested: LD4D60D010-EU4DR2555659040-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR2555659040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5970.9 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

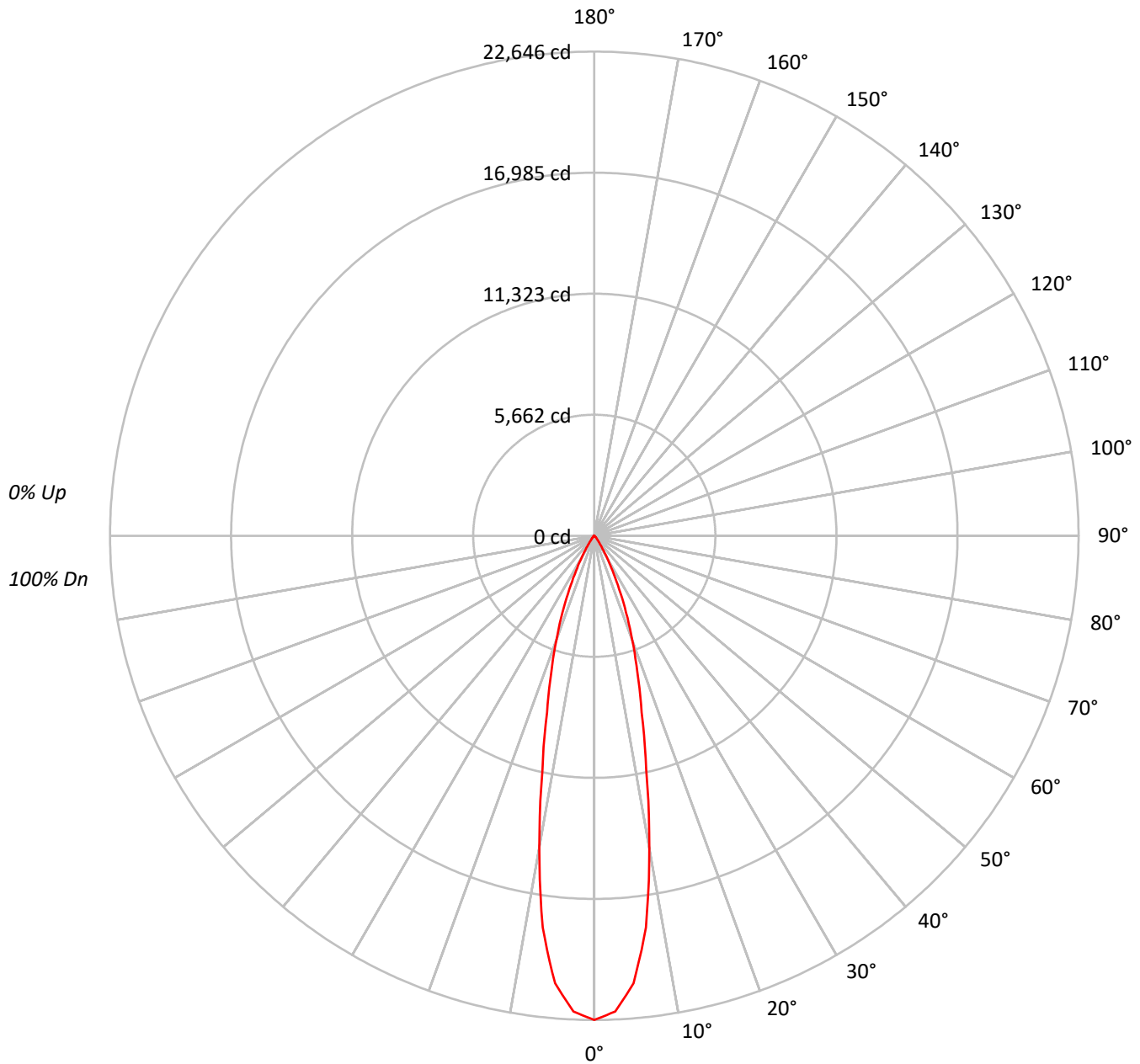


Downlight

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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82						
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77						
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2474363
5°	2304557
10°	1643902
15°	968197
20°	602421
25°	330613
30°	151194
35°	57261
40°	25930
45°	15591
50°	6476
55°	4172
60°	2906
65°	1965
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15591 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1805.8	30.2
10°-20°	2445.8	41.0
20°-30°	1294.3	21.7
30°-40°	319.5	5.4
40°-50°	78.0	1.3
50°-60°	20.5	0.3
60°-70°	6.9	0.1
70°-80°	0.1	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°	5546.0	92.9
0°-40°	5865.4	98.2
0°-60°	5963.9	99.9
0°-90°	5970.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5970.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22646	
5°	21012	###
15°	8559	2446
25°	2742	1294
35°	429	319
45°	101	78
55°	22	21
65°	8	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22646.4
2.5°	22274.2
5°	21012.0
7.5°	18476.2
10°	14817.1
12.5°	11200.9
15°	8559.4
17.5°	6670.8
20°	5181.1
22.5°	3885.6
25°	2742.4
27.5°	1839.1
30°	1198.4
32.5°	729.1
35°	429.3
37.5°	262.7
40°	181.8
42.5°	139.0
45°	100.9
47.5°	60.9
50°	38.1
52.5°	27.6
55°	21.9
57.5°	17.1
60°	13.3
62.5°	10.5
65°	7.6
67.5°	2.9
70°	1.0
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)