

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: P778973

Luminaire Tested: LER4D05D010-EC4DR400210IC9024-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P778973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D05D010-EC4DR400210IC9024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 609.1 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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



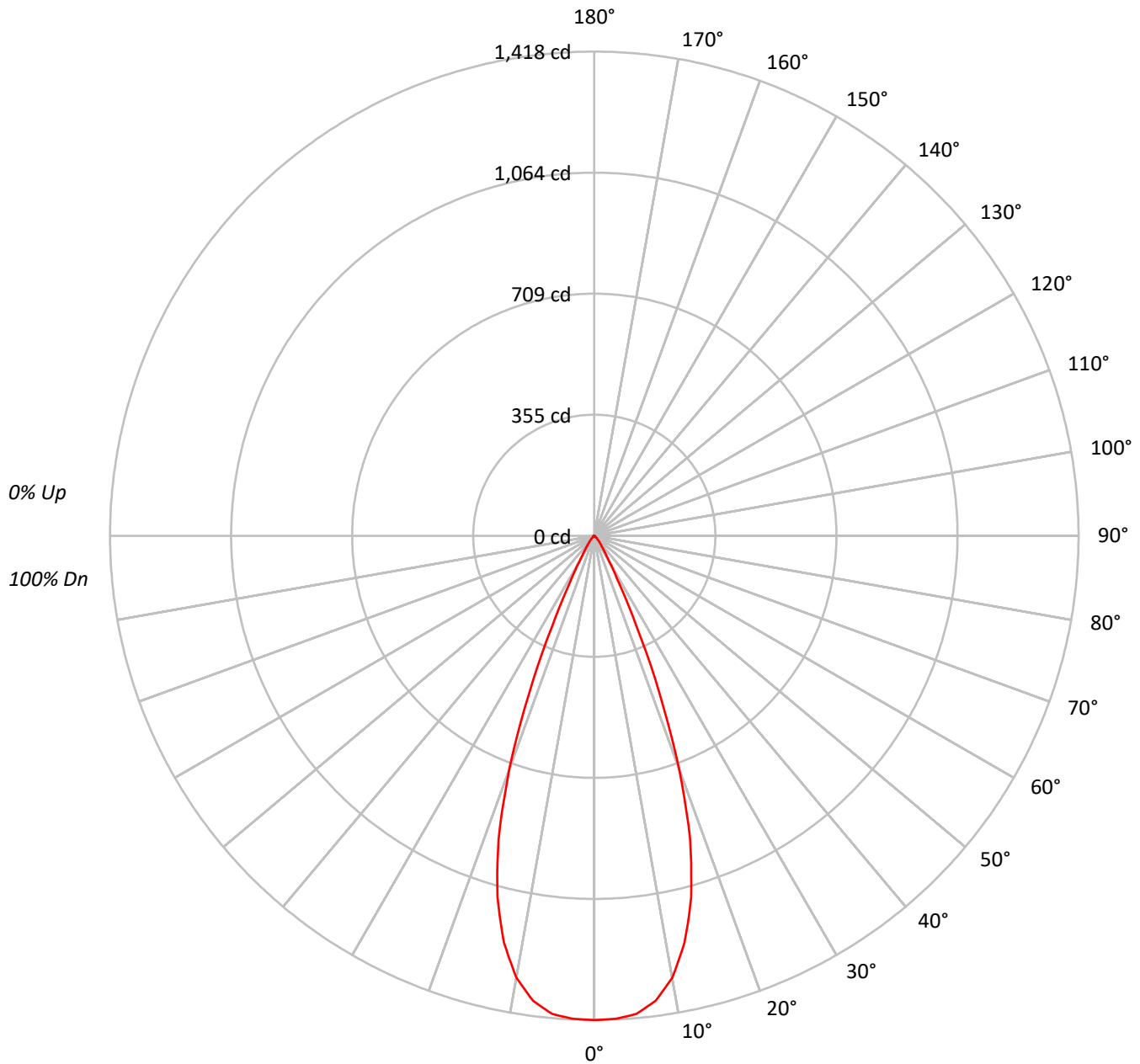
Downlight



TEST NUMBER: P778973

CATALOG NUMBER: LER4D05D010-EC4DR400210IC9024-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P778973

CATALOG NUMBER: LER4D05D010-EC4DR400210IC9024-4LBS1H

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96		
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88		
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84		
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81		
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77		
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74		
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72		
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69		
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	154965
5°	154207
10°	145761
15°	123918
20°	84461
25°	35238
30°	11077
35°	5149
40°	2853
45°	1313
50°	629
55°	343
60°	175
65°	52
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1313 cd/sqm



TEST NUMBER: P778973

CATALOG NUMBER: LER4D05D010-EC4DR400210IC9024-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	21.6
10°-20°	294.1	48.3
20°-30°	147.2	24.2
30°-40°	27.0	4.4
40°-50°	7.5	1.2
50°-60°	1.7	0.3
60°-70°	0.3	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°	572.6	94.0
0°-40°	599.6	98.4
0°-60°	608.8	99.9
0°-90°	609.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1418	
5°	1406	131
15°	1096	294
25°	292	147
35°	39	27
45°	8	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P778973

CATALOG NUMBER: LER4D05D010-EC4DR400210IC9024-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1418.3
2.5°	1416.2
5°	1406.0
7.5°	1373.5
10°	1313.8
12.5°	1220.7
15°	1095.5
17.5°	932.7
20°	726.4
22.5°	495.2
25°	292.3
27.5°	154.5
30°	87.8
32.5°	56.8
35°	38.6
37.5°	27.6
40°	20.0
42.5°	13.7
45°	8.5
47.5°	5.4
50°	3.7
52.5°	2.6
55°	1.8
57.5°	1.1
60°	0.8
62.5°	0.5
65°	0.2
67.5°	0.2
70°	0.1
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)