

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: P779278

Luminaire Tested: LER4D08D010-EC4DR350210IC9040-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D08D010-EC4DR350210IC9040-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 856.1 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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



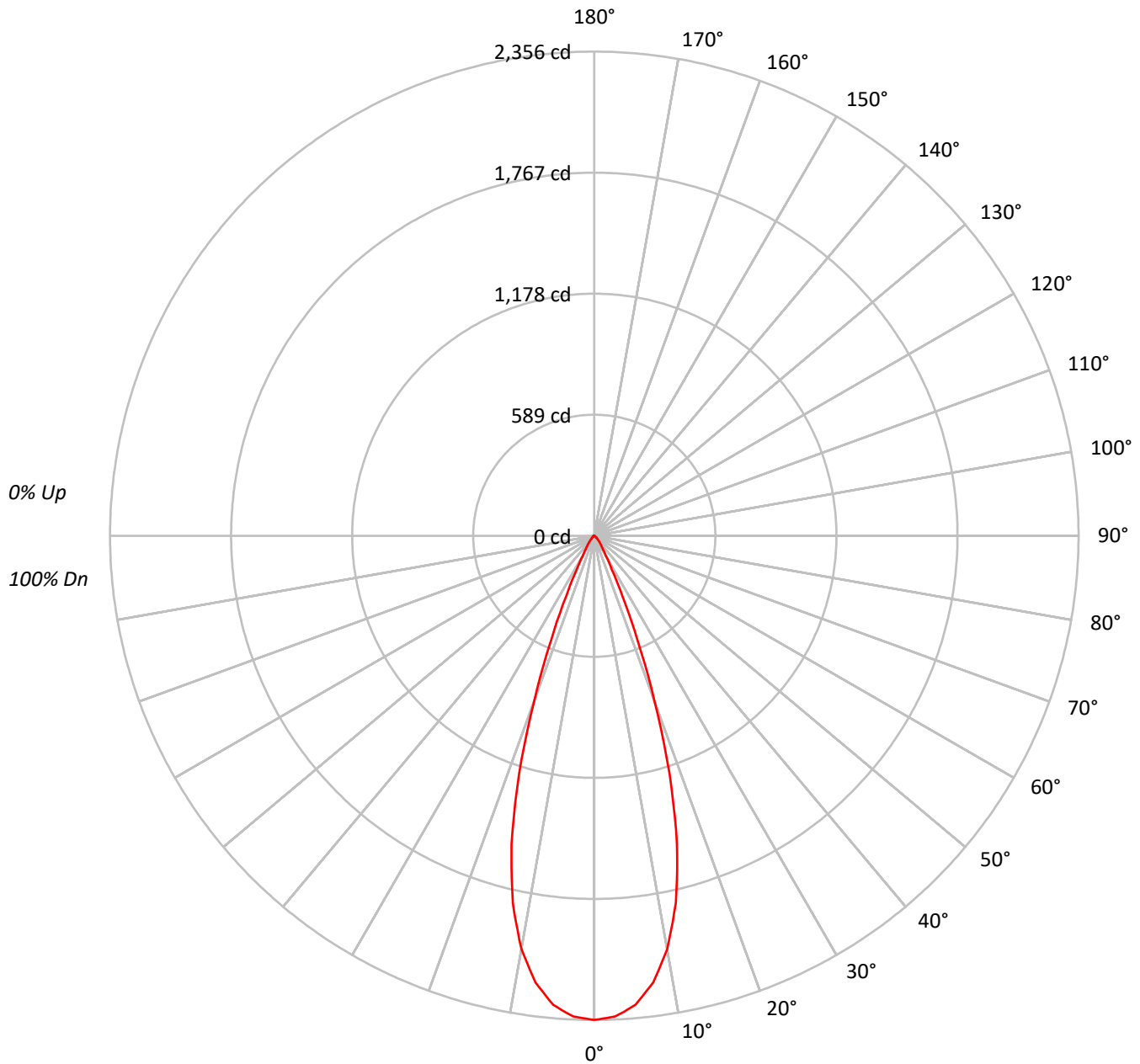
Downlight



TEST NUMBER: P779278

CATALOG NUMBER: LER4D08D010-EC4DR350210IC9040-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P779278

CATALOG NUMBER: LER4D08D010-EC4DR350210IC9040-4LBS1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	98	96		
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	105	100	96	94	97	95	92	95	93	91	93	91	89	88		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84		
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75		
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70		
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257386
5°	251338
10°	226519
15°	175815
20°	99727
25°	38795
30°	14471
35°	7936
40°	5192
45°	3168
50°	2006
55°	1410
60°	1049
65°	569
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3168 cd/sqm



TEST NUMBER: P779278

CATALOG NUMBER: LER4D08D010-EC4DR350210IC9040-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.8	24.6
10°-20°	411.5	48.1
20°-30°	167.8	19.6
30°-40°	40.2	4.7
40°-50°	16.8	2.0
50°-60°	6.9	0.8
60°-70°	2.2	0.3
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°	790.1	92.3
0°-40°	830.2	97.0
0°-60°	853.9	99.7
0°-90°	856.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2356	
5°	2292	211
15°	1554	411
25°	322	168
35°	60	40
45°	20	17
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P779278

CATALOG NUMBER: LER4D08D010-EC4DR350210IC9040-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2355.7
2.5°	2341.5
5°	2291.6
7.5°	2191.9
10°	2041.7
12.5°	1830.2
15°	1554.3
17.5°	1216.8
20°	857.7
22.5°	546.9
25°	321.8
27.5°	181.9
30°	114.7
32.5°	80.6
35°	59.5
37.5°	46.0
40°	36.4
42.5°	28.0
45°	20.5
47.5°	15.3
50°	11.8
52.5°	9.4
55°	7.4
57.5°	6.0
60°	4.8
62.5°	3.5
65°	2.2
67.5°	0.7
70°	0.1
72.5°	0.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)