

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: P780638

Luminaire Tested: LER4D25D010-EC4DR6520359030-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P780638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D25D010-EC4DR6520359030-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

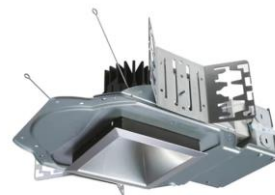
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2307.7 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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



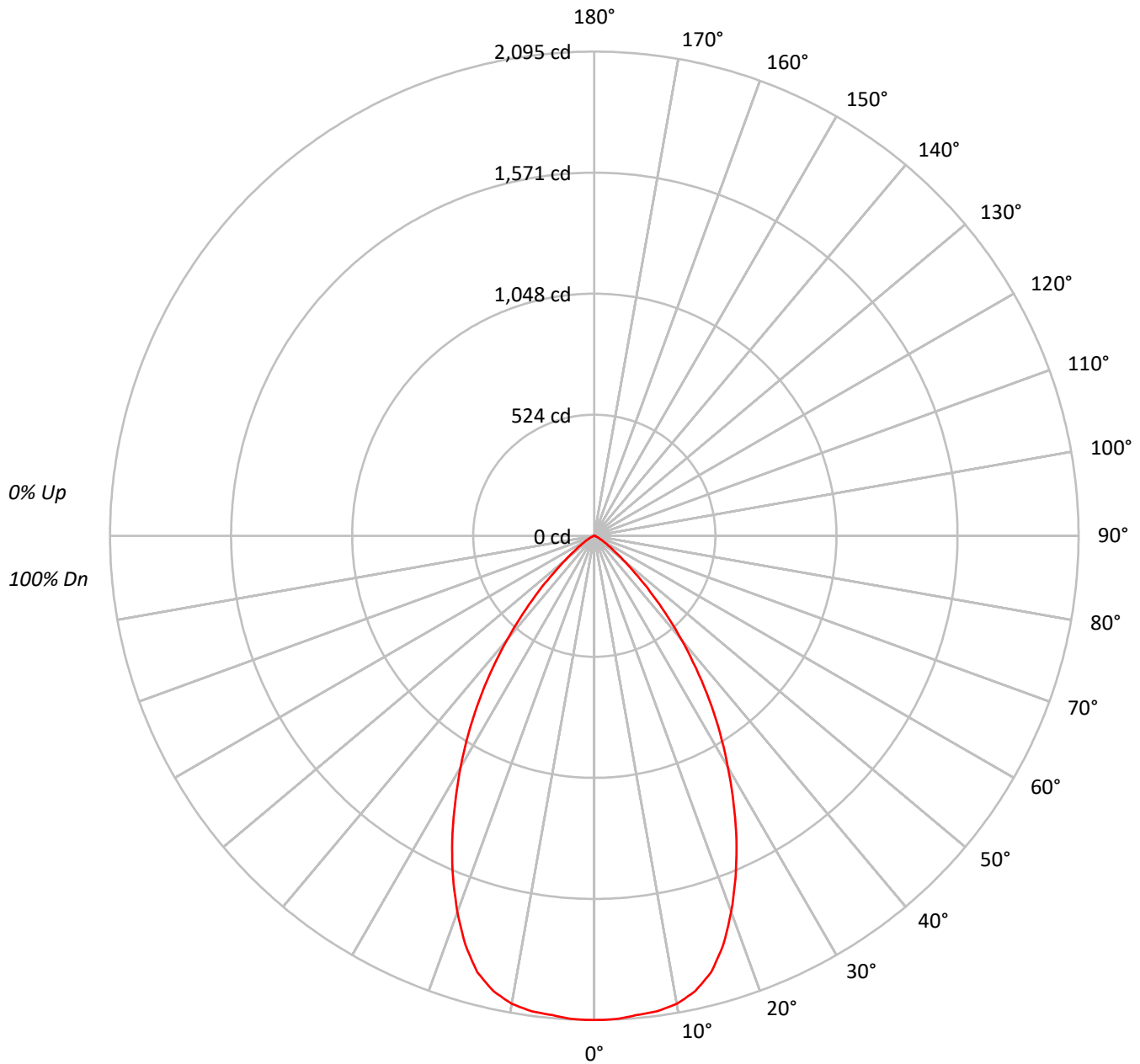
Downlight



TEST NUMBER: P780638

CATALOG NUMBER: LER4D25D010-EC4DR6520359030-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P780638

CATALOG NUMBER: LER4D25D010-EC4DR6520359030-4LBS1LI

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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122374
5°	122067
10°	121960
15°	118201
20°	107610
25°	93775
30°	77993
35°	61801
40°	44601
45°	28182
50°	14683
55°	7810
60°	4100
65°	2253
70°	956
75°	1038
80°	740
85°	603

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28182 cd/sqm



TEST NUMBER: P780638

CATALOG NUMBER: LER4D25D010-EC4DR6520359030-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	8.6
10°-20°	542.6	23.5
20°-30°	663.3	28.7
30°-40°	538.2	23.3
40°-50°	268.2	11.6
50°-60°	74.8	3.2
60°-70°	17.0	0.7
70°-80°	4.4	0.2
80°-90°	1.1	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°	1404.0	60.8
0°-40°	1942.2	84.2
0°-60°	2285.1	99.0
0°-90°	2307.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2307.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2095	
5°	2082	198
15°	1955	543
25°	1455	663
35°	867	538
45°	341	268
55°	77	75
65°	16	17
75°	5	4
85°	1	1
90°	0	



TEST NUMBER: P780638

CATALOG NUMBER: LER4D25D010-EC4DR6520359030-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2095.3
2.5°	2093.8
5°	2082.1
7.5°	2075.3
10°	2056.5
12.5°	2018.3
15°	1954.9
17.5°	1855.8
20°	1731.4
22.5°	1597.2
25°	1455.2
27.5°	1303.4
30°	1156.5
32.5°	1011.5
35°	866.8
37.5°	722.4
40°	585.0
42.5°	456.3
45°	341.2
47.5°	237.7
50°	161.6
52.5°	111.4
55°	76.7
57.5°	51.7
60°	35.1
62.5°	24.4
65°	16.3
67.5°	8.3
70°	5.6
72.5°	5.2
75°	4.6
77.5°	3.1
80°	2.2
82.5°	1.5
85°	0.9
87.5°	0.6
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)