

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: P780049

Luminaire Tested: LER4D15D010-EC4DR650215IC9050-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P780049
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: LER4D15D010-EC4DR650215IC9050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1327.9 lumens
Efficiency: N/A
Efficacy: 84.0 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): 15.8
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



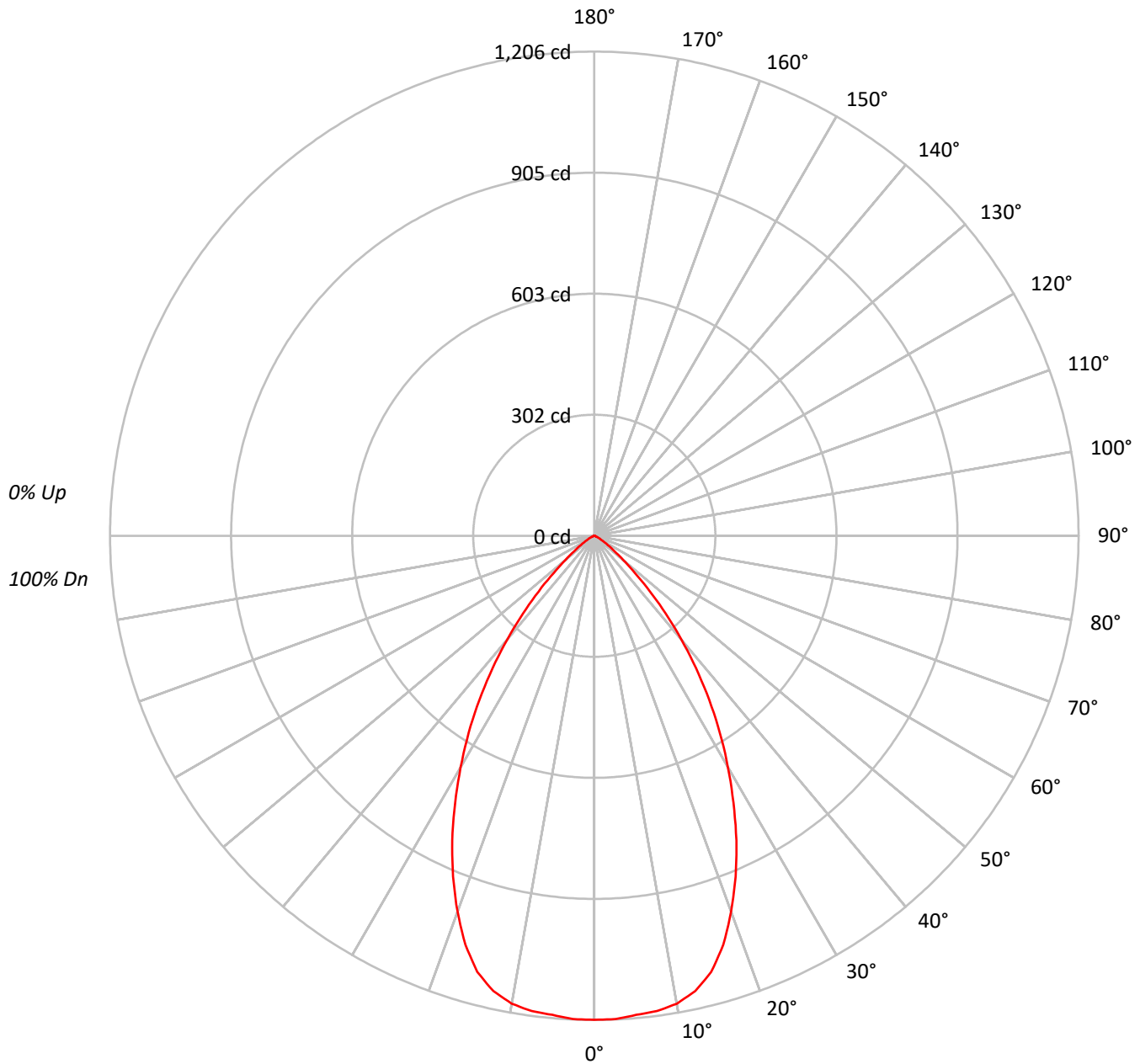
Downlight



TEST NUMBER: P780049

CATALOG NUMBER: LER4D15D010-EC4DR650215IC9050-4LBS1H

Luminous Intensity Polar Plot



TEST NUMBER: P780049

CATALOG NUMBER: LER4D15D010-EC4DR650215IC9050-4LBS1H

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°	70418
5°	70235
10°	70181
15°	68016
20°	61916
25°	53957
30°	44881
35°	35563
40°	25663
45°	16214
50°	8450
55°	4490
60°	2360
65°	1299
70°	546
75°	587
80°	437
85°	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16214 cd/sqm



TEST NUMBER: P780049

CATALOG NUMBER: LER4D15D010-EC4DR650215IC9050-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	8.6
10°-20°	312.2	23.5
20°-30°	381.6	28.7
30°-40°	309.7	23.3
40°-50°	154.3	11.6
50°-60°	43.0	3.2
60°-70°	9.8	0.7
70°-80°	2.5	0.2
80°-90°	0.6	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°	807.9	60.8
0°-40°	1117.6	84.2
0°-60°	1314.9	99.0
0°-90°	1327.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1327.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1206	
5°	1198	114
15°	1125	312
25°	837	382
35°	499	310
45°	196	154
55°	44	43
65°	9	10
75°	3	3
85°	0	1
90°	0	



TEST NUMBER: P780049

CATALOG NUMBER: LER4D15D010-EC4DR650215IC9050-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1205.7
2.5°	1204.8
5°	1198.0
7.5°	1194.1
10°	1183.4
12.5°	1161.4
15°	1124.9
17.5°	1067.8
20°	996.2
22.5°	919.0
25°	837.3
27.5°	750.0
30°	665.5
32.5°	582.0
35°	498.8
37.5°	415.7
40°	336.6
42.5°	262.6
45°	196.3
47.5°	136.8
50°	93.0
52.5°	64.1
55°	44.1
57.5°	29.8
60°	20.2
62.5°	14.0
65°	9.4
67.5°	4.8
70°	3.2
72.5°	3.0
75°	2.6
77.5°	1.8
80°	1.3
82.5°	0.9
85°	0.5
87.5°	0.3
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)