

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839336

Luminaire Tested: **LD4C55D010 EU4559040 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C55D010 EU4559040 4LBSH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

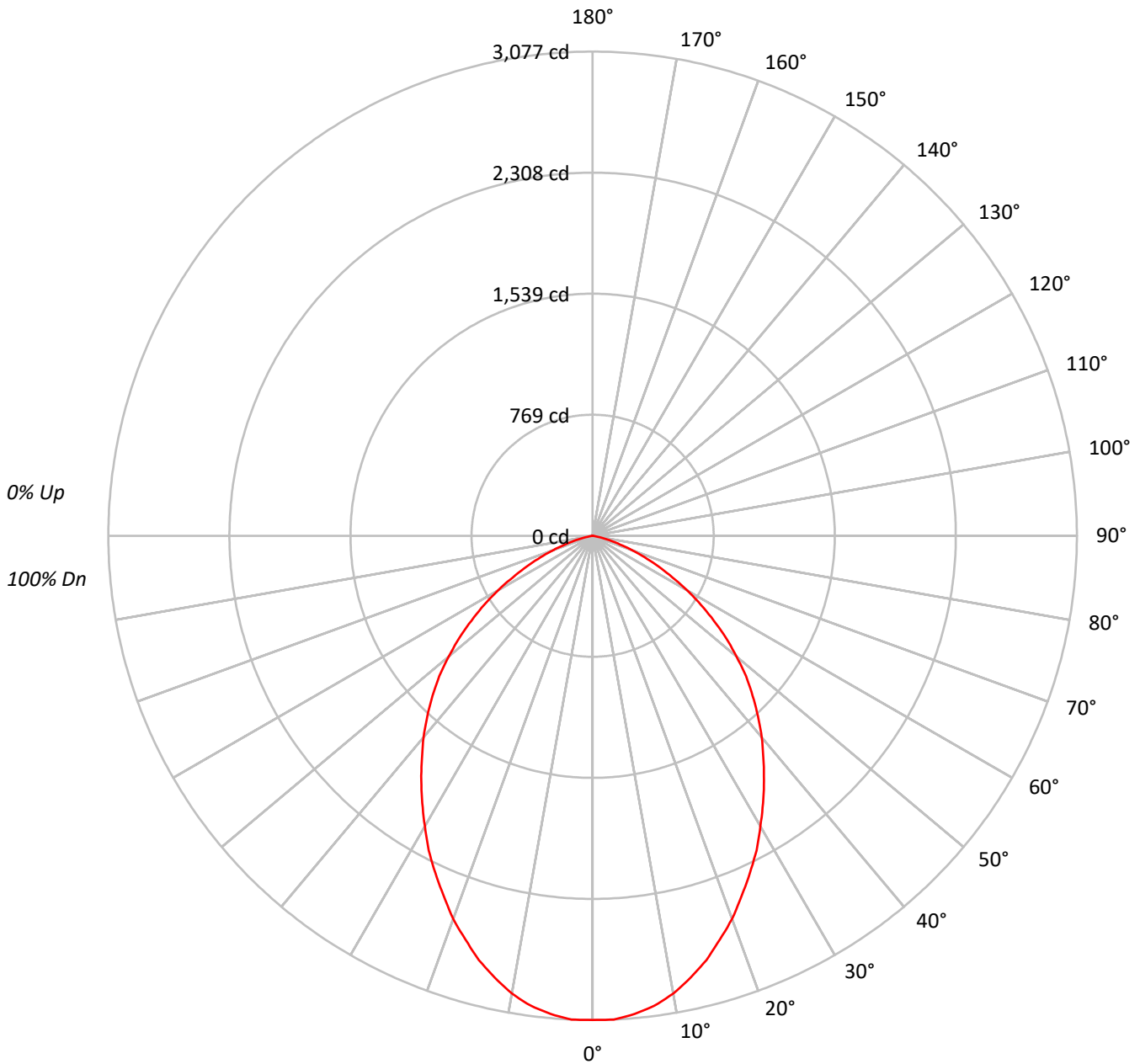
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5884.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V):
Input Current (A_{in}): 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: 25 FT

TEST NUMBER: P839336
CATALOG NUMBER: LD4C55D010 EU4559040 4LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P839336

CATALOG NUMBER: LD4C55D010 EU4559040 4LBSH

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	378057
5°	376307
10°	368533
15°	355145
20°	338794
25°	320531
30°	302358
35°	284685
40°	268049
45°	249874
50°	227841
55°	201209
60°	170324
65°	133720
70°	95439
75°	52309
80°	9197
85°	0



TEST NUMBER: P839336

CATALOG NUMBER: LD4C55D010 EU4559040 4LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.2	4.9
10°-20°	783.5	13.3
20°-30°	1088.0	18.5
30°-40°	1187.3	20.2
40°-50°	1107.6	18.8
50°-60°	840.6	14.3
60°-70°	460.3	7.8
70°-80°	126.7	2.2
80°-90°	1.8	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°	2159.7	36.7
0°-40°	3347.0	56.9
0°-60°	5295.2	90.0
0°-90°	5884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5884.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3077	
5°	3051	288
15°	2792	783
25°	2365	1088
35°	1898	1187
45°	1438	1108
55°	939	841
65°	460	460
75°	110	127
85°	0	2
90°	0	



TEST NUMBER: P839336

CATALOG NUMBER: LD4C55D010 EU4559040 4LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3077.3
2.5°	3077.3
5°	3051.4
7.5°	3012.6
10°	2954.2
12.5°	2876.6
15°	2792.3
17.5°	2688.7
20°	2591.4
22.5°	2474.8
25°	2364.6
27.5°	2254.6
30°	2131.4
32.5°	2014.8
35°	1898.2
37.5°	1781.6
40°	1671.4
42.5°	1554.8
45°	1438.2
47.5°	1321.6
50°	1192.1
52.5°	1068.9
55°	939.4
57.5°	816.2
60°	693.2
62.5°	570.2
65°	460.0
67.5°	356.3
70°	265.7
72.5°	181.4
75°	110.2
77.5°	51.8
80°	13.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)