

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: P839333

Luminaire Tested: **LD4C55D010 EU4559035 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839333
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 EU4559035 4LBSH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

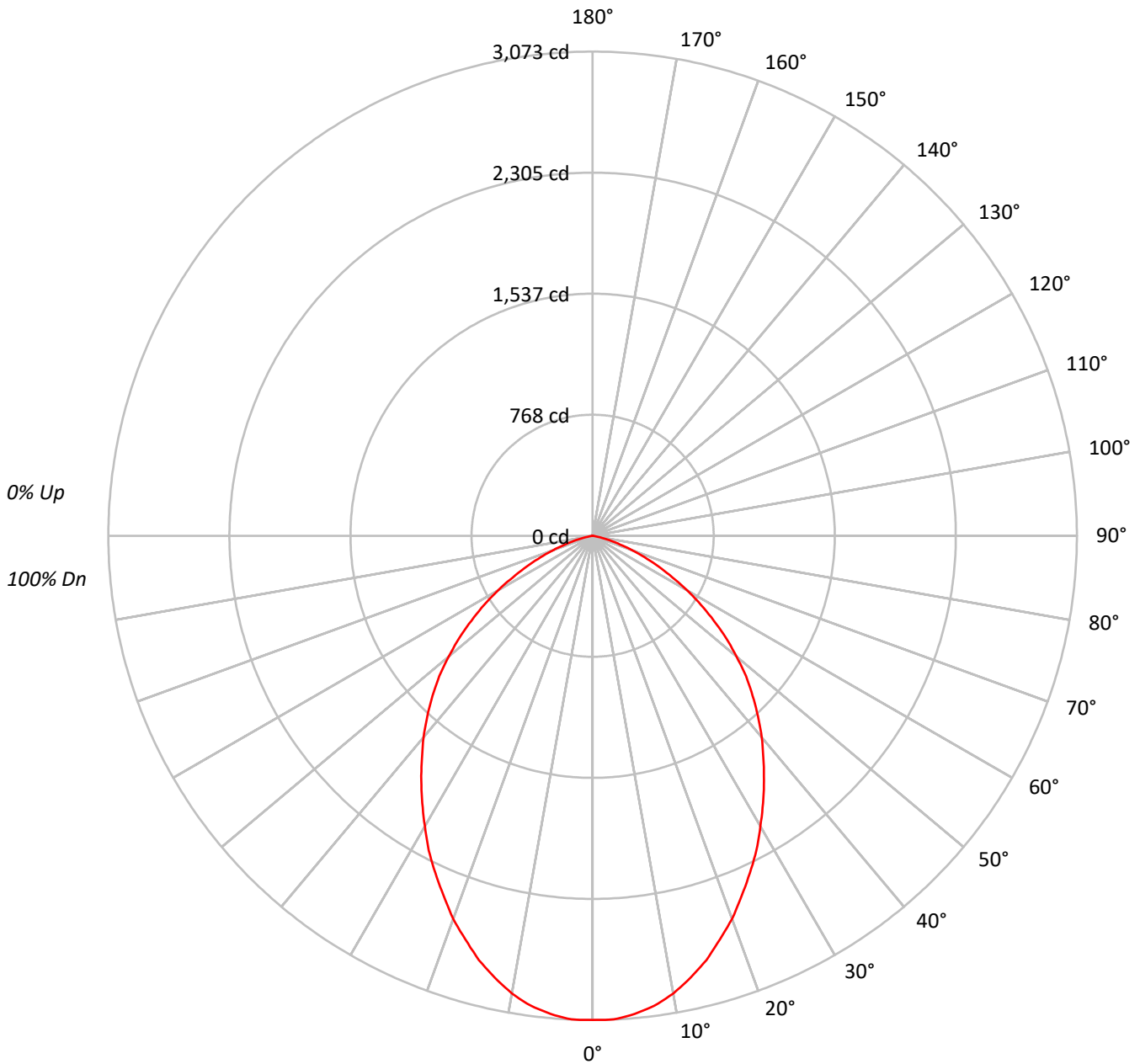
Lumens per Lamp: N/A
Luminaire Lumens: 5876.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P839333

CATALOG NUMBER: LD4C55D010 EU4559035 4LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P839333

CATALOG NUMBER: LD4C55D010 EU4559035 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°	377541
5°	375789
10°	368034
15°	354662
20°	338337
25°	320097
30°	301947
35°	284295
40°	267680
45°	249527
50°	227536
55°	200952
60°	170103
65°	133546
70°	95296
75°	52214
80°	9197
85°	0



TEST NUMBER: P839333

CATALOG NUMBER: LD4C55D010 EU4559035 4LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.9	4.9
10°-20°	782.4	13.3
20°-30°	1086.5	18.5
30°-40°	1185.7	20.2
40°-50°	1106.0	18.8
50°-60°	839.5	14.3
60°-70°	459.7	7.8
70°-80°	126.5	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°	2156.8	36.7
0°-40°	3342.5	56.9
0°-60°	5288.0	90.0
0°-90°	5876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5876.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3073	
5°	3047	288
15°	2788	782
25°	2361	1087
35°	1896	1186
45°	1436	1106
55°	938	840
65°	459	460
75°	110	126
85°	0	2
90°	0	



TEST NUMBER: P839333

CATALOG NUMBER: LD4C55D010 EU4559035 4LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3073.1
2.5°	3073.1
5°	3047.2
7.5°	3008.5
10°	2950.2
12.5°	2872.6
15°	2788.5
17.5°	2685.0
20°	2587.9
22.5°	2471.4
25°	2361.4
27.5°	2251.5
30°	2128.5
32.5°	2012.1
35°	1895.6
37.5°	1779.2
40°	1669.1
42.5°	1552.7
45°	1436.2
47.5°	1319.8
50°	1190.5
52.5°	1067.5
55°	938.2
57.5°	815.1
60°	692.3
62.5°	569.4
65°	459.4
67.5°	355.8
70°	265.3
72.5°	181.2
75°	110.0
77.5°	51.7
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)