

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: P563870

Luminaire Tested: **LD4C55D010 EX4C559030 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P563870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C55D010 EX4C559030 4LBSQH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

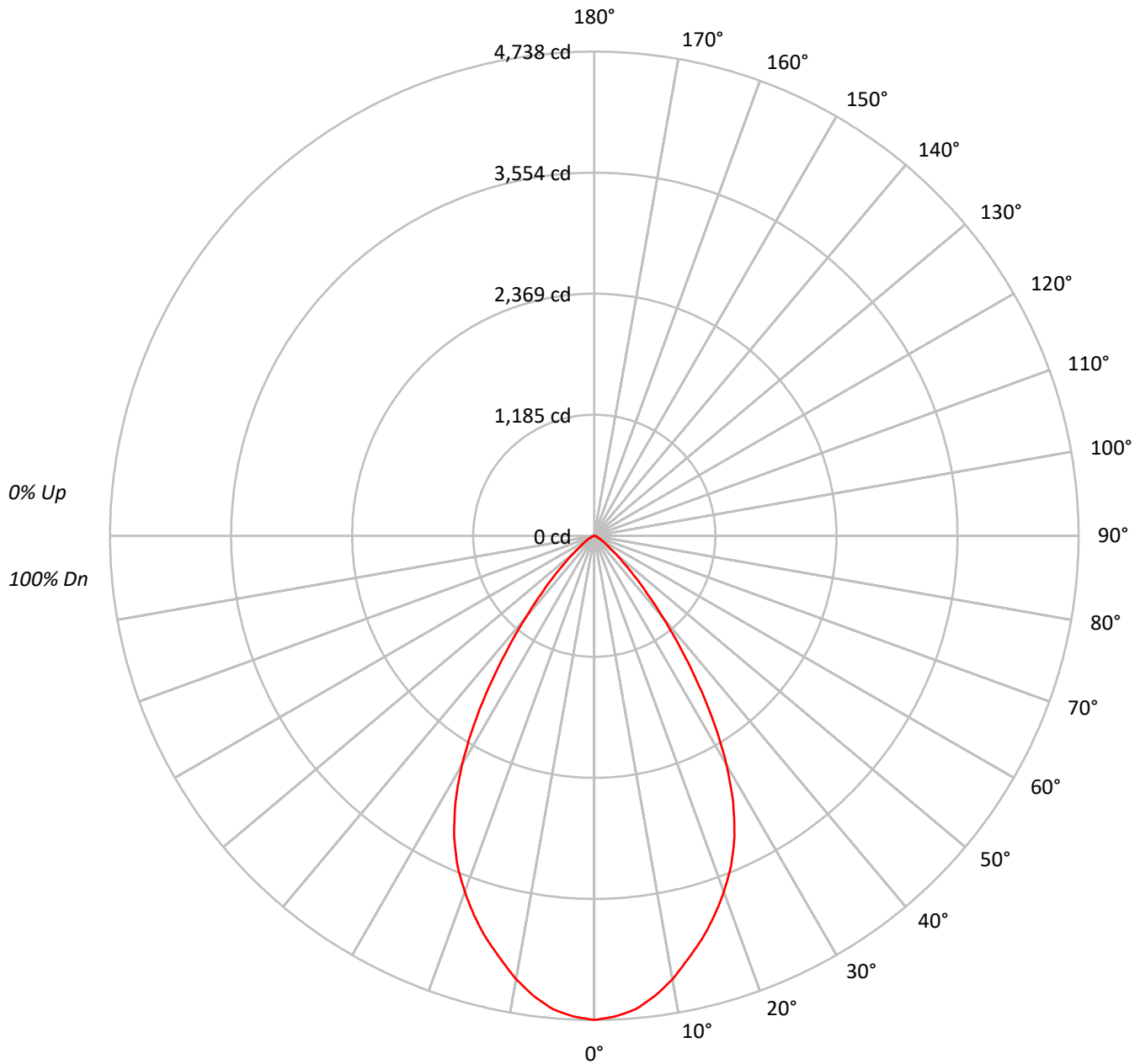
Lumens per Lamp: N/A
Luminaire Lumens: 4777.8 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V):
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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457116
5°	450474
10°	431649
15°	407692
20°	380568
25°	345464
30°	288433
35°	208950
40°	130807
45°	74778
50°	38984
55°	21852
60°	13914
65°	8242
70°	6122
75°	2684
80°	4001
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.9	9.1
10°-20°	1143.6	23.9
20°-30°	1469.7	30.8
30°-40°	1105.8	23.1
40°-50°	444.1	9.3
50°-60°	126.3	2.6
60°-70°	40.0	0.8
70°-80°	11.4	0.2
80°-90°	1.0	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°	3049.3	63.8
0°-40°	4155.1	87.0
0°-60°	4725.5	98.9
0°-90°	4777.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4777.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4738	
5°	4651	436
15°	4081	1144
25°	3245	1470
35°	1774	1106
45°	548	444
55°	130	126
65°	36	40
75°	7	11
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4737.5
2.5°	4708.6
5°	4650.9
7.5°	4542.7
10°	4405.6
12.5°	4240.1
15°	4081.3
17.5°	3901.0
20°	3706.3
22.5°	3497.3
25°	3244.9
27.5°	2941.9
30°	2588.8
32.5°	2192.0
35°	1773.9
37.5°	1384.4
40°	1038.5
42.5°	764.3
45°	548.0
47.5°	375.1
50°	259.7
52.5°	180.3
55°	129.9
57.5°	93.8
60°	72.1
62.5°	50.5
65°	36.1
67.5°	28.9
70°	21.7
72.5°	14.4
75°	7.2
77.5°	7.2
80°	7.2
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)