

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: P859152

Luminaire Tested: **LX4C55D010 EX4C559050 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559050 4LBMH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

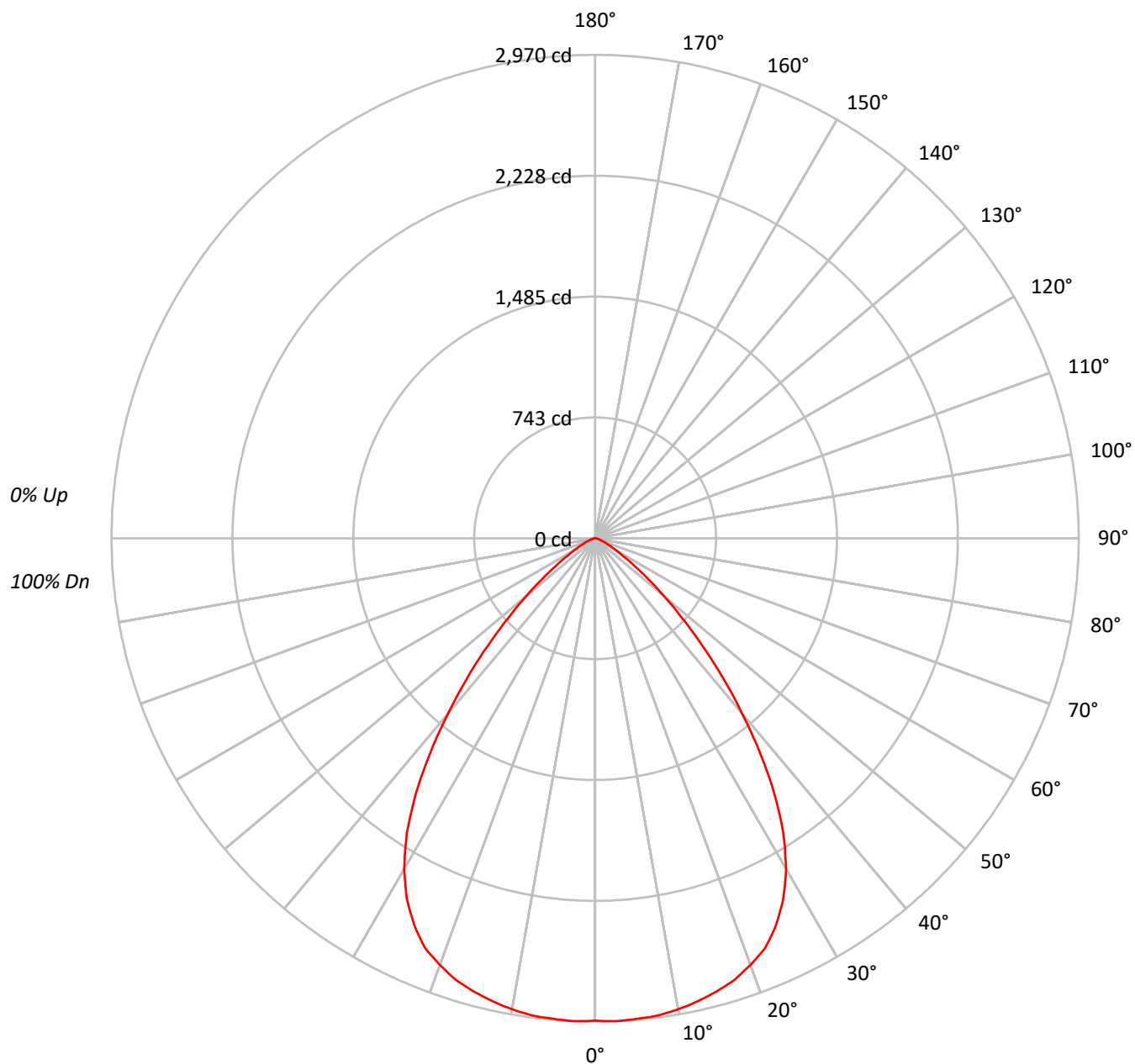
Lumens per Lamp: N/A
Luminaire Lumens: 4598.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	364101
5°	365492
10°	366599
15°	366617
20°	364602
25°	356059
30°	332801
35°	288195
40°	225133
45°	161527
50°	104928
55°	62800
60°	36758
65°	23605
70°	15697
75°	11867
80°	8844
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.2	6.1
10°-20°	813.2	17.7
20°-30°	1200.0	26.1
30°-40°	1184.2	25.8
40°-50°	724.7	15.8
50°-60°	277.8	6.0
60°-70°	86.9	1.9
70°-80°	25.5	0.6
80°-90°	3.4	0.1
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°	2295.5	49.9
0°-40°	3479.7	75.7
0°-60°	4482.3	97.5
0°-90°	4598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4598.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2964	
5°	2964	282
15°	2882	813
25°	2627	1200
35°	1922	1184
45°	930	725
55°	293	278
65°	81	87
75°	25	25
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2963.7
2.5°	2969.9
5°	2963.7
7.5°	2957.4
10°	2938.7
12.5°	2913.7
15°	2882.5
17.5°	2845.0
20°	2788.8
22.5°	2726.6
25°	2626.7
27.5°	2501.8
30°	2346.0
32.5°	2152.6
35°	1921.6
37.5°	1665.8
40°	1403.8
42.5°	1160.5
45°	929.7
47.5°	723.6
50°	549.0
52.5°	405.7
55°	293.2
57.5°	205.8
60°	149.6
62.5°	112.4
65°	81.2
67.5°	62.5
70°	43.7
72.5°	31.2
75°	25.0
77.5°	12.5
80°	12.5
82.5°	6.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)