

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: P859131

Luminaire Tested: **LX4C55D010 EX4C559040 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859131
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 EX4C559040 4LBMH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

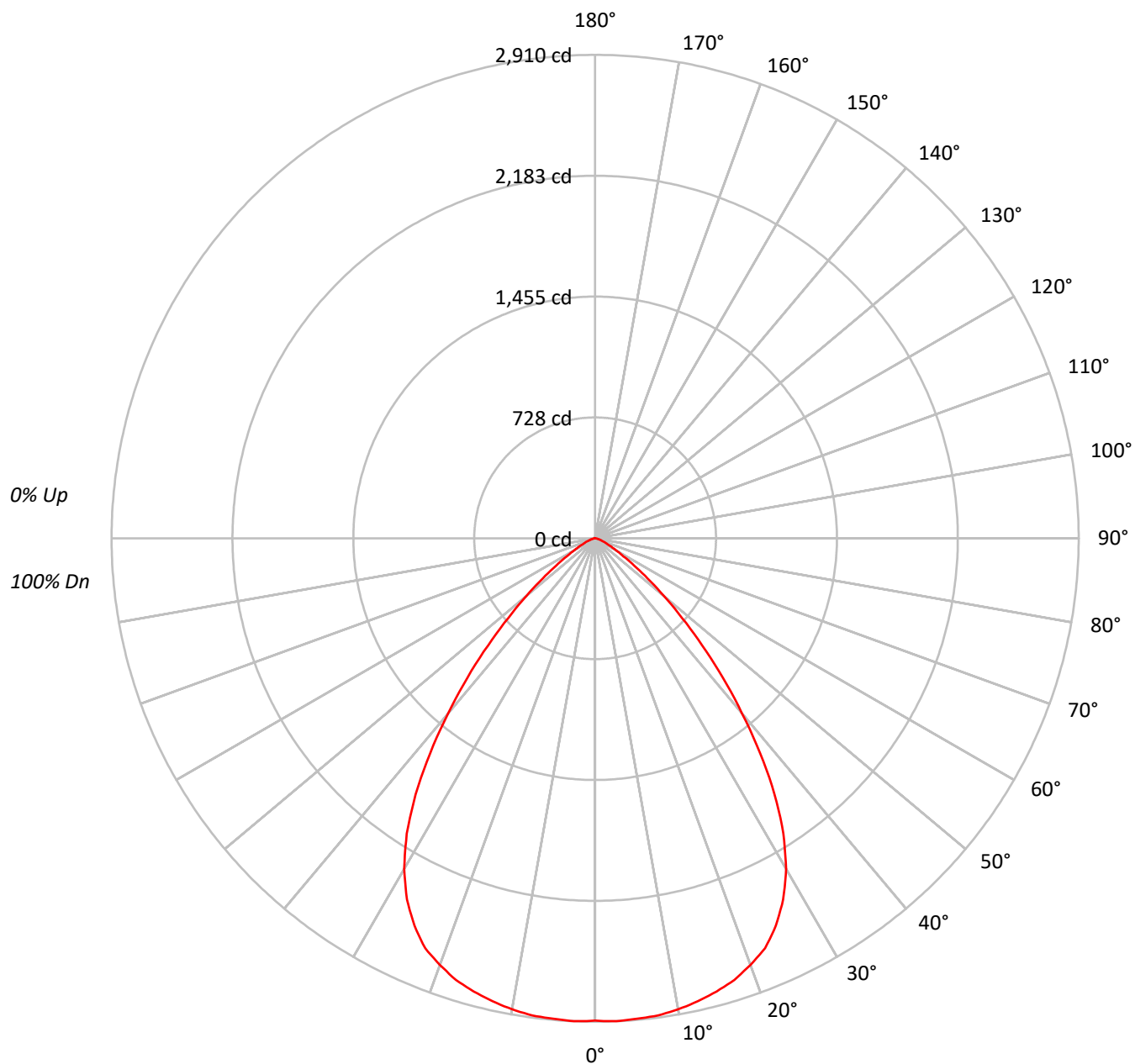
Lumens per Lamp: N/A
Luminaire Lumens: 4505.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	356730
5°	358092
10°	359189
15°	359202
20°	357228
25°	348861
30°	326063
35°	282361
40°	220578
45°	158261
50°	102807
55°	61536
60°	36021
65°	23110
70°	15374
75°	11629
80°	8631
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	6.1
10°-20°	796.8	17.7
20°-30°	1175.8	26.1
30°-40°	1160.3	25.8
40°-50°	710.1	15.8
50°-60°	272.2	6.0
60°-70°	85.1	1.9
70°-80°	24.9	0.6
80°-90°	3.3	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°	2249.1	49.9
0°-40°	3409.3	75.7
0°-60°	4391.6	97.5
0°-90°	4505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4505.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2904	
5°	2904	277
15°	2824	797
25°	2574	1176
35°	1883	1160
45°	911	710
55°	287	272
65°	80	85
75°	24	25
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2903.7
2.5°	2909.9
5°	2903.7
7.5°	2897.6
10°	2879.3
12.5°	2854.8
15°	2824.2
17.5°	2787.5
20°	2732.4
22.5°	2671.5
25°	2573.6
27.5°	2451.2
30°	2298.5
32.5°	2109.1
35°	1882.7
37.5°	1632.1
40°	1375.4
42.5°	1137.0
45°	910.9
47.5°	709.0
50°	537.9
52.5°	397.5
55°	287.3
57.5°	201.6
60°	146.6
62.5°	110.1
65°	79.5
67.5°	61.2
70°	42.8
72.5°	30.6
75°	24.5
77.5°	12.2
80°	12.2
82.5°	6.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)