

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: P859110

Luminaire Tested: **LX4C55D010 EX4C559035 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859110
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 EX4C559035 4LBMH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

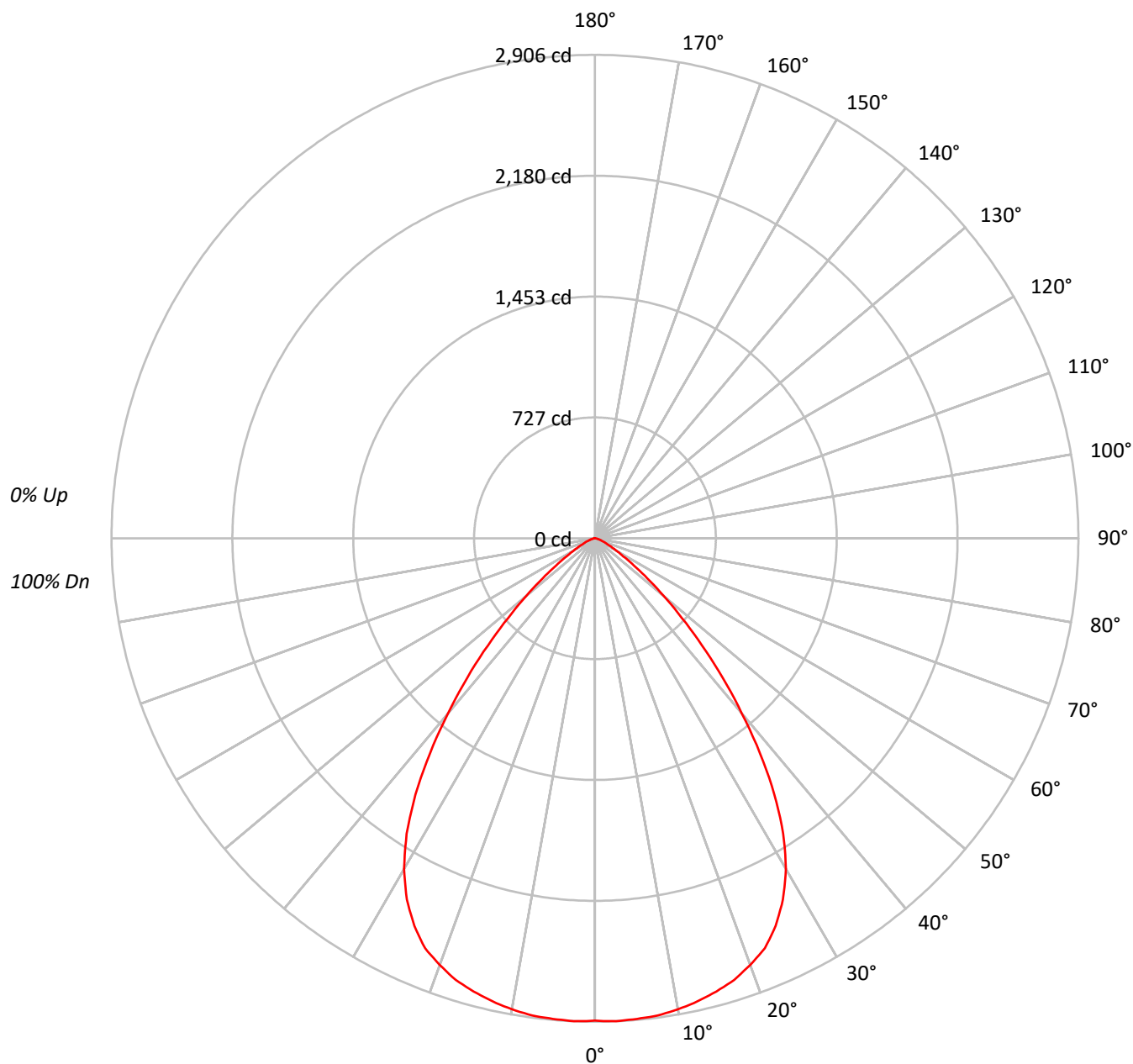
Lumens per Lamp: N/A
Luminaire Lumens: 4499.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104		110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	100	95	91		103	98	93	90		95	91	88		91	88	86		89	86	84
3	99	91	85	80		97	90	84	80		87	82	78		84	80	77		82	79	76
4	92	83	77	72		90	82	76	71		80	75	70		78	73	70		76	72	69
5	87	77	70	65		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	58		80	70	63	58		68	62	58		67	61	57		65	61	57
7	76	65	58	53		75	65	58	53		63	57	53		62	56	52		61	56	52
8	72	60	53	49		70	60	53	49		59	53	48		58	52	48		57	52	48
9	68	56	49	45		66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	52	46	41		63	52	46	41		51	45	41		50	45	41		49	44	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	356263
5°	357624
10°	358702
15°	358719
20°	356758
25°	348400
30°	325637
35°	281986
40°	220289
45°	158052
50°	102673
55°	61451
60°	35971
65°	23081
70°	15374
75°	11582
80°	8631
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.2	6.1
10°-20°	795.7	17.7
20°-30°	1174.2	26.1
30°-40°	1158.7	25.8
40°-50°	709.1	15.8
50°-60°	271.8	6.0
60°-70°	85.0	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°	2246.1	49.9
0°-40°	3404.8	75.7
0°-60°	4385.8	97.5
0°-90°	4499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4499.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2900	
5°	2900	276
15°	2820	796
25°	2570	1174
35°	1880	1159
45°	910	709
55°	287	272
65°	79	85
75°	24	25
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2899.9
2.5°	2906.0
5°	2899.9
7.5°	2893.8
10°	2875.4
12.5°	2851.0
15°	2820.4
17.5°	2783.8
20°	2728.8
22.5°	2667.9
25°	2570.2
27.5°	2447.9
30°	2295.5
32.5°	2106.3
35°	1880.2
37.5°	1629.9
40°	1373.6
42.5°	1135.5
45°	909.7
47.5°	708.0
50°	537.2
52.5°	396.9
55°	286.9
57.5°	201.4
60°	146.4
62.5°	110.0
65°	79.4
67.5°	61.1
70°	42.8
72.5°	30.6
75°	24.4
77.5°	12.2
80°	12.2
82.5°	6.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)