

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: P859091

Luminaire Tested: **LX4C55D010 EX4C559030 4LBNH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559030 4LBNH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

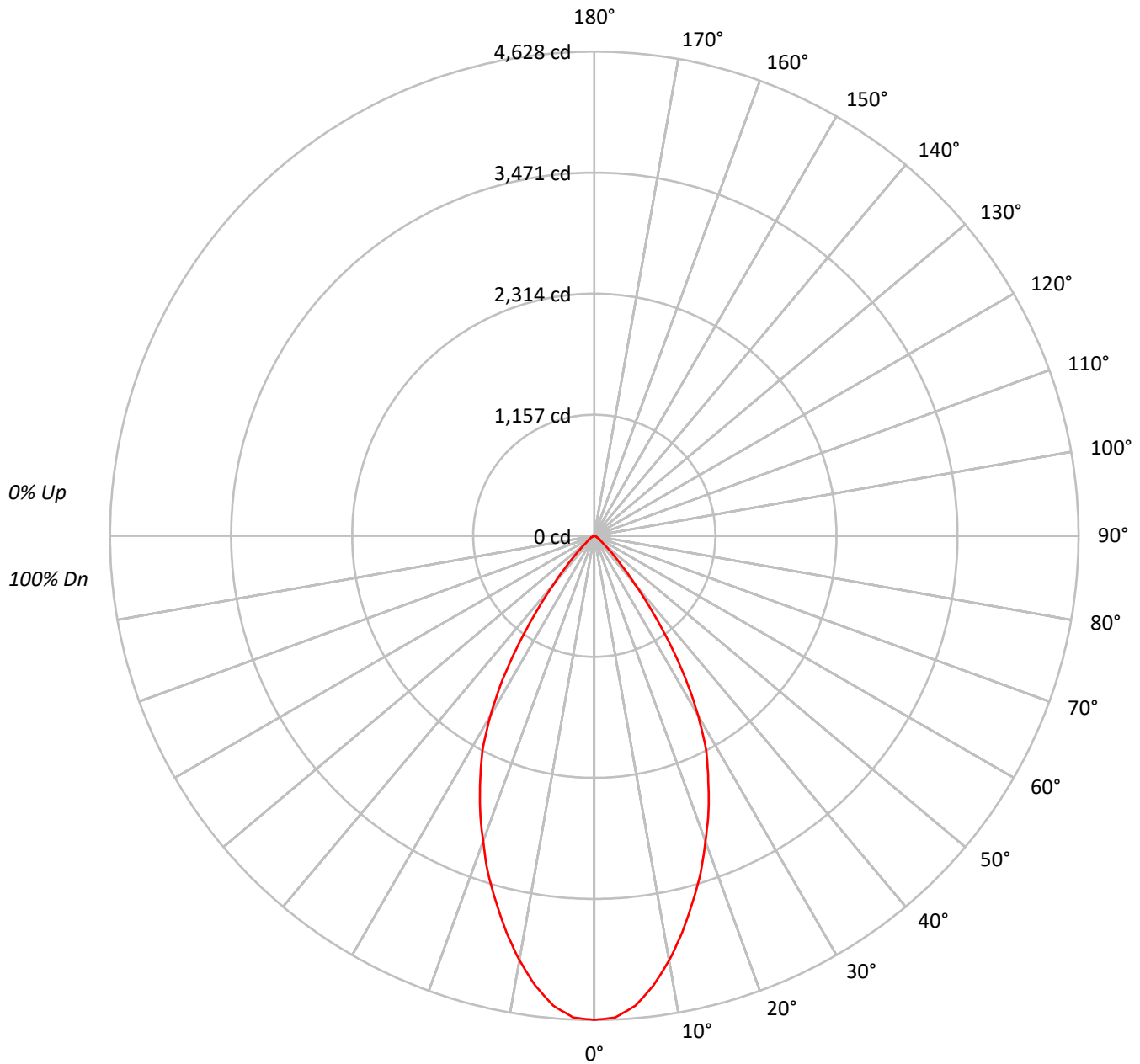
Lumens per Lamp: N/A
Luminaire Lumens: 3686.0 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	113	111	108	106		111	109	106	104		105	103	101			101	99	98			97
2	108	103	99	96		106	101	98	94		98	95	92			95	93	90			92
3	102	96	91	87		100	95	90	86		92	88	85			90	86	84			87
4	97	90	84	80		95	89	83	79		86	82	78			84	81	78			83
5	92	84	78	74		91	83	78	73		81	76	73			80	75	72			78
6	88	79	73	69		86	78	72	68		77	72	68			75	71	67			74
7	83	74	68	64		82	73	68	64		72	67	63			71	66	63			70
8	79	70	64	60		78	69	64	60		68	63	59			67	63	59			66
9	76	66	60	56		74	65	60	56		65	59	56			64	59	56			63
10	72	62	57	53		71	62	56	53		61	56	53			60	56	52			60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	568554
5°	555902
10°	513990
15°	461207
20°	405994
25°	349404
30°	281363
35°	187306
40°	97443
45°	44113
50°	19132
55°	12851
60°	8231
65°	5843
70°	4813
75°	3180
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.5	11.3
10°-20°	1012.8	27.5
20°-30°	1175.9	31.9
30°-40°	778.7	21.1
40°-50°	218.4	5.9
50°-60°	54.9	1.5
60°-70°	20.6	0.6
70°-80°	7.1	0.2
80°-90°	0.0	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°	2606.3	70.7
0°-40°	3385.0	91.8
0°-60°	3658.3	99.2
0°-90°	3686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3686.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4628	
5°	4508	418
15°	3626	1013
25°	2578	1176
35°	1249	779
45°	254	218
55°	60	55
65°	20	21
75°	7	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4627.9
2.5°	4607.8
5°	4507.7
7.5°	4333.9
10°	4120.2
12.5°	3879.7
15°	3626.2
17.5°	3379.0
20°	3105.4
22.5°	2851.5
25°	2577.6
27.5°	2317.3
30°	1983.4
32.5°	1629.4
35°	1248.9
37.5°	894.9
40°	607.6
42.5°	393.9
45°	253.9
47.5°	153.7
50°	100.1
52.5°	73.4
55°	60.0
57.5°	46.9
60°	33.5
62.5°	26.8
65°	20.1
67.5°	13.4
70°	13.4
72.5°	6.7
75°	6.7
77.5°	6.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)