

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: P857759

Luminaire Tested: **LX4C35D010 EX4C359035 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857759
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: LX4C35D010 EX4C359035 4LBMH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

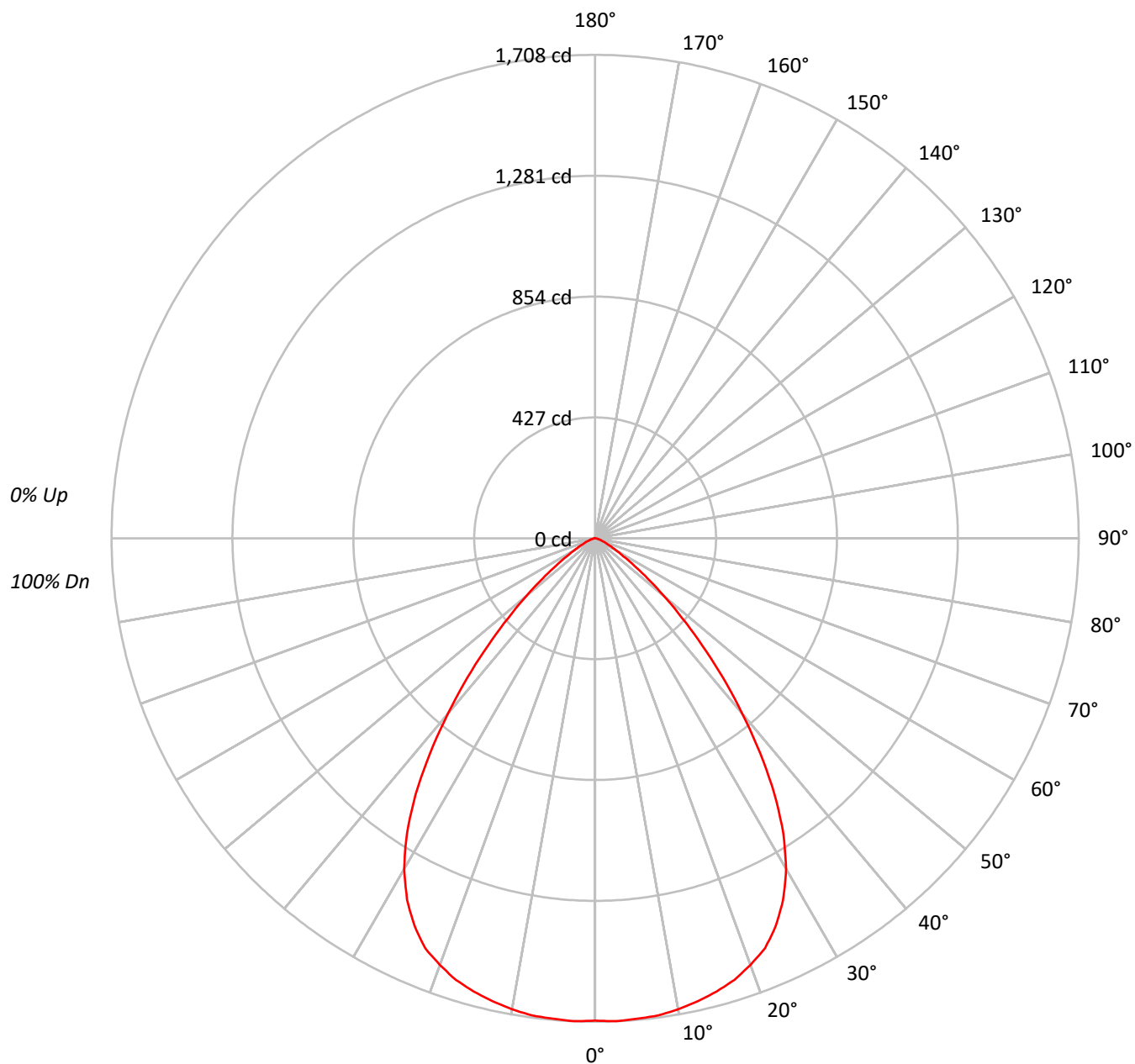
Lumens per Lamp: N/A
Luminaire Lumens: 2644.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	209367
5°	210167
10°	210813
15°	210813
20°	209664
25°	204754
30°	191368
35°	165724
40°	129454
45°	92882
50°	60339
55°	36112
60°	21131
65°	13576
70°	9016
75°	6835
80°	5094
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	6.1
10°-20°	467.6	17.7
20°-30°	690.1	26.1
30°-40°	681.0	25.8
40°-50°	416.7	15.8
50°-60°	159.7	6.0
60°-70°	49.9	1.9
70°-80°	14.7	0.6
80°-90°	2.0	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°	1320.0	49.9
0°-40°	2001.0	75.7
0°-60°	2577.4	97.5
0°-90°	2644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1704	
5°	1704	162
15°	1658	468
25°	1510	690
35°	1105	681
45°	535	417
55°	169	160
65°	47	50
75°	14	15
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1704.2
2.5°	1707.8
5°	1704.2
7.5°	1700.6
10°	1689.9
12.5°	1675.5
15°	1657.5
17.5°	1636.0
20°	1603.7
22.5°	1567.9
25°	1510.5
27.5°	1438.6
30°	1349.0
32.5°	1237.8
35°	1105.0
37.5°	957.9
40°	807.2
42.5°	667.3
45°	534.6
47.5°	416.1
50°	315.7
52.5°	233.3
55°	168.6
57.5°	118.3
60°	86.0
62.5°	64.6
65°	46.7
67.5°	35.9
70°	25.1
72.5°	18.0
75°	14.4
77.5°	7.2
80°	7.2
82.5°	3.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)