

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: P857717

Luminaire Tested: **LX4C35D010 EX4C359027 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857717
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 EX4C359027 4LBMH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

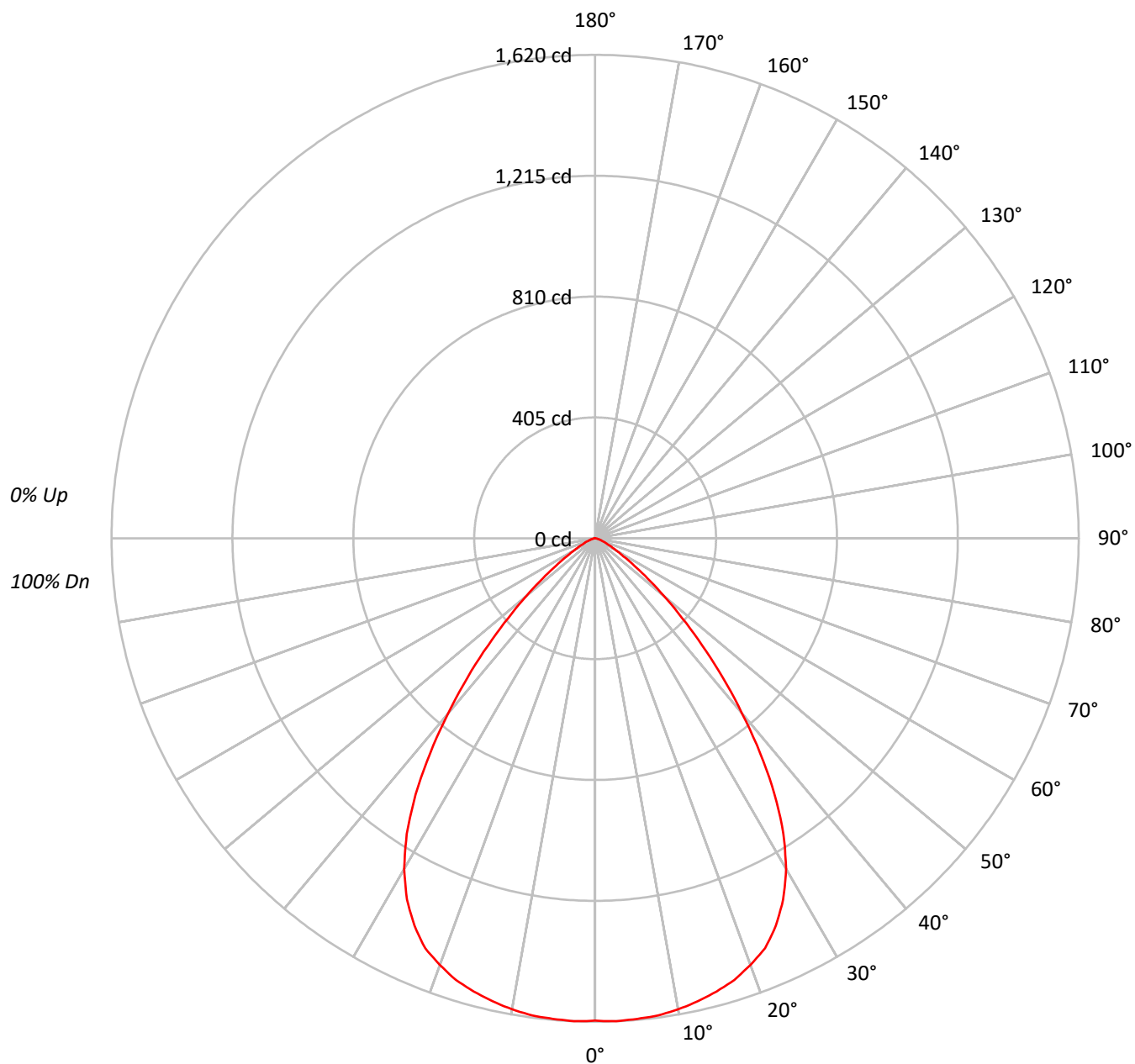
Lumens per Lamp: N/A
Luminaire Lumens: 2508.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	198605
5°	199364
10°	199960
15°	199977
20°	198879
25°	194222
30°	181523
35°	157190
40°	122798
45°	88104
50°	57242
55°	34270
60°	20050
65°	12878
70°	8549
75°	6456
80°	4811
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	6.1
10°-20°	443.6	17.7
20°-30°	654.6	26.1
30°-40°	645.9	25.8
40°-50°	395.3	15.8
50°-60°	151.6	6.0
60°-70°	47.4	1.9
70°-80°	13.9	0.6
80°-90°	1.8	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°	1252.1	49.9
0°-40°	1898.0	75.7
0°-60°	2444.9	97.5
0°-90°	2508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1617	
5°	1617	154
15°	1572	444
25°	1433	655
35°	1048	646
45°	507	395
55°	160	152
65°	44	47
75°	14	14
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1616.6
2.5°	1620.0
5°	1616.6
7.5°	1613.1
10°	1602.9
12.5°	1589.3
15°	1572.3
17.5°	1551.8
20°	1521.2
22.5°	1487.3
25°	1432.8
27.5°	1364.6
30°	1279.6
32.5°	1174.2
35°	1048.1
37.5°	908.6
40°	765.7
42.5°	633.0
45°	507.1
47.5°	394.7
50°	299.5
52.5°	221.3
55°	160.0
57.5°	112.3
60°	81.6
62.5°	61.3
65°	44.3
67.5°	34.1
70°	23.8
72.5°	17.0
75°	13.6
77.5°	6.8
80°	6.8
82.5°	3.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)