

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: P857812

Luminaire Tested: **LX4C35D010 EX4C359727 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857812
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 EX4C359727 4LBWH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

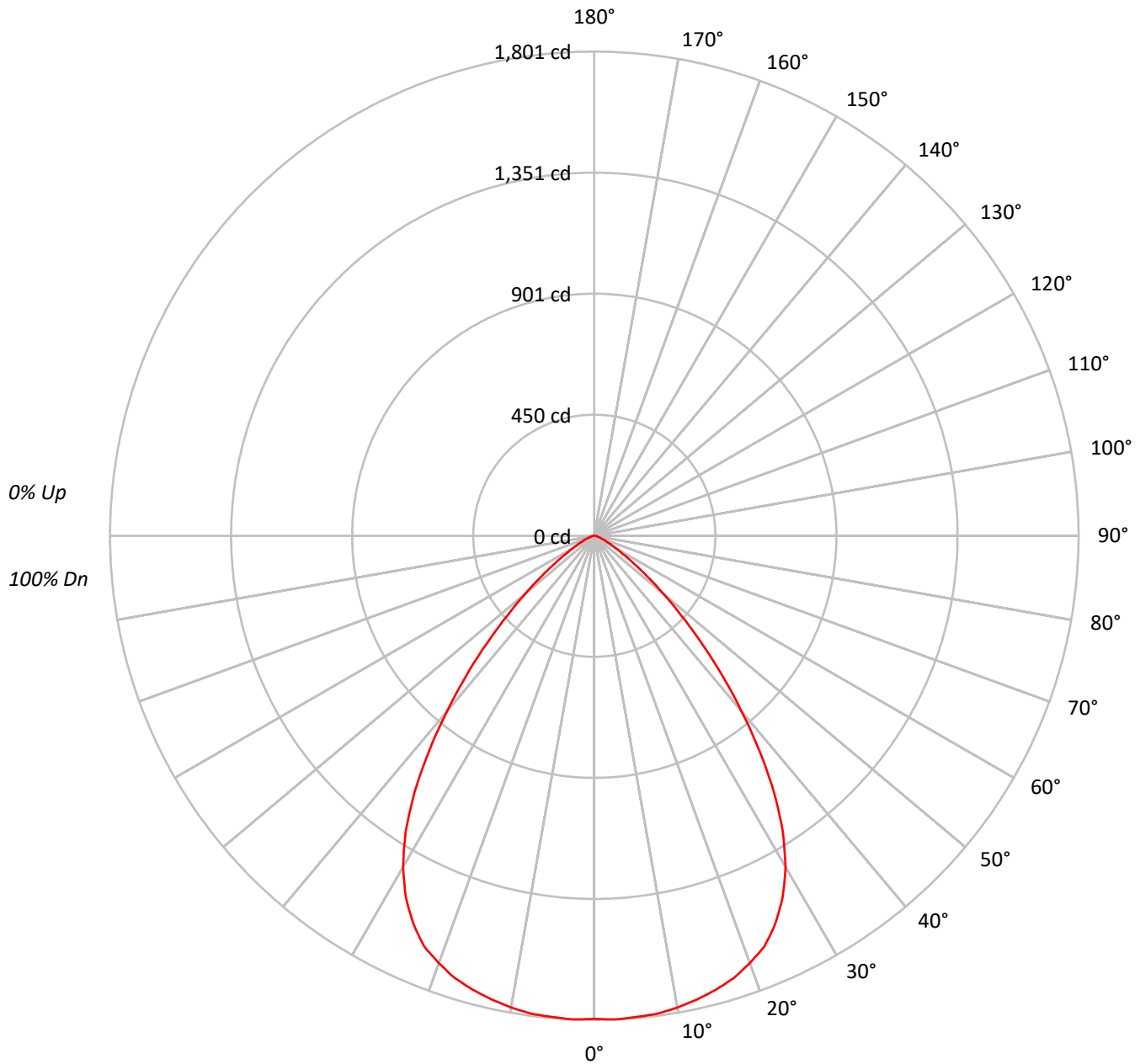
Lumens per Lamp: N/A
Luminaire Lumens: 2788.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	220768
5°	221611
10°	222290
15°	222298
20°	221078
25°	215897
30°	201794
35°	174738
40°	136510
45°	97938
50°	63626
55°	38083
60°	22286
65°	14302
70°	9519
75°	7168
80°	5377
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	6.1
10°-20°	493.1	17.7
20°-30°	727.6	26.1
30°-40°	718.1	25.8
40°-50°	439.4	15.8
50°-60°	168.5	6.0
60°-70°	52.7	1.9
70°-80°	15.4	0.6
80°-90°	2.1	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°	1391.9	49.9
0°-40°	2109.9	75.7
0°-60°	2717.9	97.5
0°-90°	2788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2788.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1797	
5°	1797	171
15°	1748	493
25°	1593	728
35°	1165	718
45°	564	439
55°	178	168
65°	49	53
75°	15	15
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1797.0
2.5°	1800.8
5°	1797.0
7.5°	1793.2
10°	1781.9
12.5°	1766.7
15°	1747.8
17.5°	1725.1
20°	1691.0
22.5°	1653.3
25°	1592.7
27.5°	1517.0
30°	1422.5
32.5°	1305.3
35°	1165.1
37.5°	1010.1
40°	851.2
42.5°	703.7
45°	563.7
47.5°	438.8
50°	332.9
52.5°	246.0
55°	177.8
57.5°	124.8
60°	90.7
62.5°	68.2
65°	49.2
67.5°	37.9
70°	26.5
72.5°	18.9
75°	15.1
77.5°	7.6
80°	7.6
82.5°	3.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)