

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: FAIL-SAFE

Report Number: P81279

Luminaire Tested: **FUSLP-X12-2-1250-7-50-8084-ED**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P81279  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P20739)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FUSLP-X12-2-1250-7-50-8084-ED  
Description: FAIL-SAFE LED CONFINEMENT-CORRECTIONAL FIXTURE WITH 0.125 CLEAR PRISMATIC POLYCARBONATE LENS, 0.125 PRISMATIC ACRYLIC LENS, AND WHITE INTERNAL REFLECTOR ASSEMBLY AND 14GA WHITE STEELHOUSING ----ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET----  
Light Source: (1)SMT LED BARS WITH 48 LEDS PER BAR 5000K  
(1)LIGHT BARS 17 WATTS  
Ballast/Driver: (1)MAGTECH ELECTRONIC LED DRIVER  
(1)LP1020

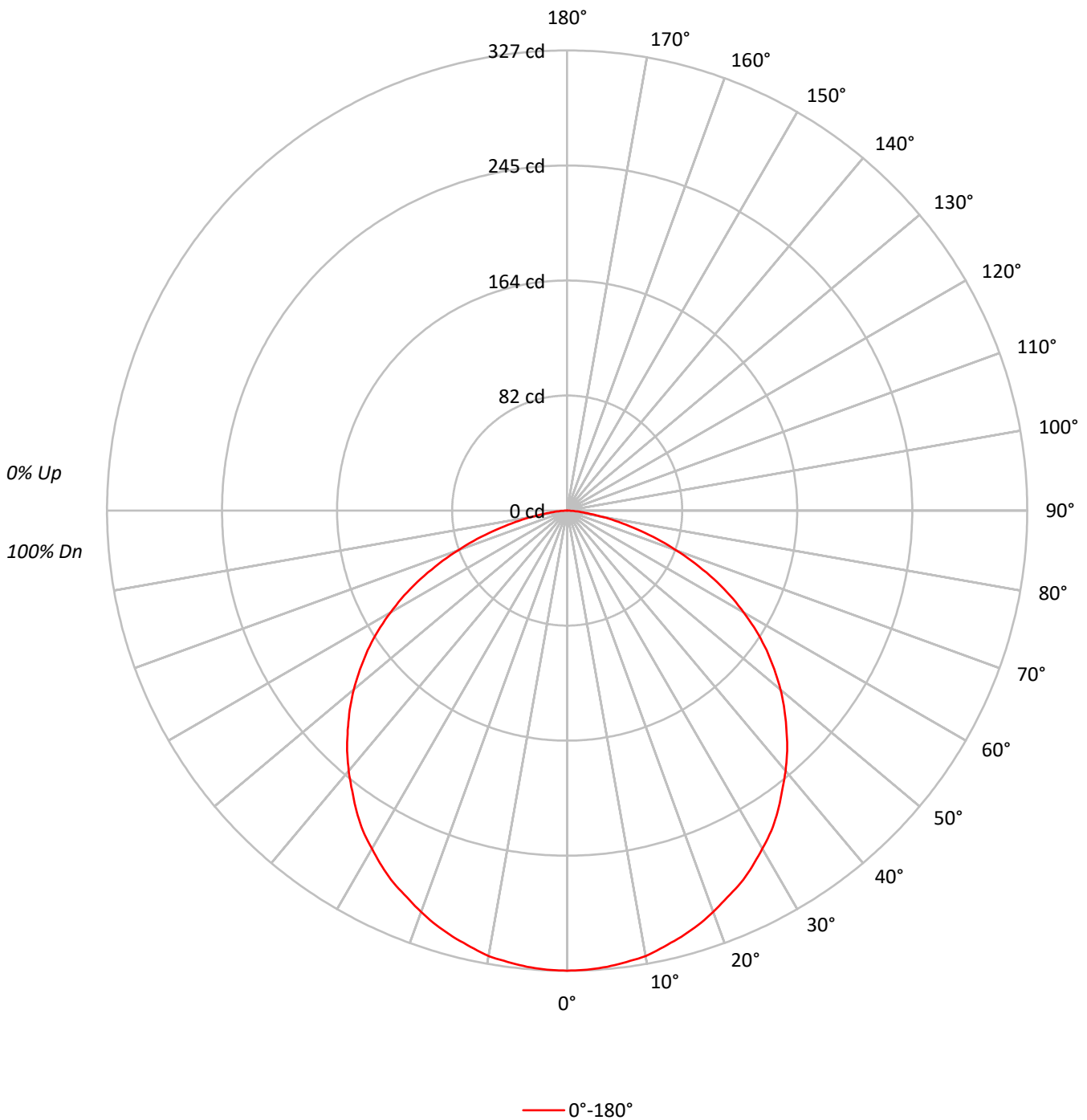
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 919.7 lumens  
Efficiency: N/A  
Efficacy: 53.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.46' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 17.25  
Input Voltage (V): NR  
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	37	31	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	4007
5°	3929
10°	3852
15°	3757
20°	3666
25°	3583
30°	3487
35°	3387
40°	3265
45°	3137
50°	2995
55°	2818
60°	2579
65°	2271
70°	1848
75°	1344
80°	788
85°	282



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.9	3.4
10°-20°	88.5	9.6
20°-30°	134.5	14.6
30°-40°	163.1	17.7
40°-50°	170.2	18.5
50°-60°	154.2	16.8
60°-70°	113.2	12.3
70°-80°	55.2	6.0
80°-90°	9.9	1.1
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°	253.9	27.6
0°-40°	417.0	45.3
0°-60°	741.4	80.6
0°-90°	919.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	919.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	327	
5°	326	31
15°	314	89
25°	292	134
35°	261	163
45°	220	170
55°	173	154
65°	115	113
75°	52	55
85°	7	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	327.0
2.5°	326.5
5°	325.5
7.5°	323.5
10°	321.5
12.5°	317.5
15°	313.5
17.5°	309.0
20°	303.5
22.5°	297.5
25°	292.0
27.5°	285.0
30°	277.5
32.5°	270.0
35°	261.0
37.5°	251.0
40°	241.5
42.5°	231.5
45°	220.5
47.5°	209.5
50°	198.0
52.5°	185.5
55°	173.0
57.5°	159.5
60°	145.0
62.5°	130.5
65°	115.0
67.5°	98.5
70°	82.5
72.5°	67.0
75°	51.5
77.5°	37.5
80°	25.0
82.5°	14.5
85°	7.0
87.5°	2.5
90°	0.0

(END OF REPORT)