

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: P366333

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1826.0 lumens  
Efficiency: N/A  
Efficacy: 33.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

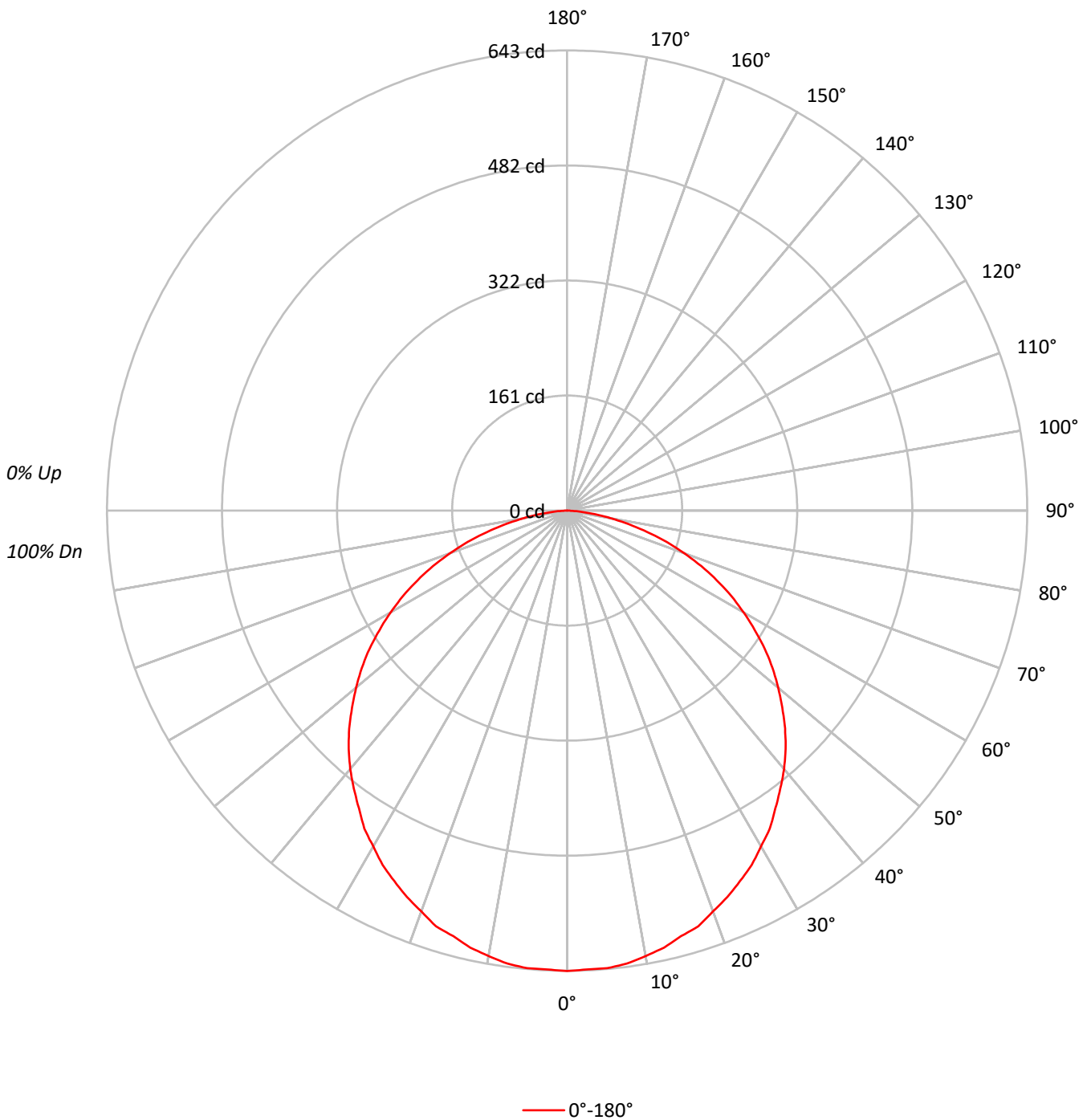
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	17575
5°	17598
10°	17530
15°	17408
20°	17325
25°	17221
30°	17092
35°	16923
40°	16813
45°	16634
50°	16352
55°	16063
60°	15564
65°	14924
70°	13856
75°	12264
80°	9784
85°	5641



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.9	3.3
10°-20°	174.1	9.5
20°-30°	263.5	14.4
30°-40°	318.1	17.4
40°-50°	331.8	18.2
50°-60°	300.8	16.5
60°-70°	228.0	12.5
70°-80°	123.4	6.8
80°-90°	25.4	1.4
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°	498.5	27.3
0°-40°	816.6	44.7
0°-60°	1449.2	79.4
0°-90°	1826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1826.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	643	
5°	642	61
15°	616	174
25°	571	263
35°	508	318
45°	431	332
55°	337	301
65°	231	228
75°	116	123
85°	18	25
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	643.4
2.5°	641.8
5°	641.8
7.5°	638.5
10°	632.0
12.5°	625.4
15°	615.6
17.5°	609.1
20°	596.0
22.5°	584.5
25°	571.4
27.5°	558.3
30°	541.9
32.5°	527.2
35°	507.5
37.5°	489.5
40°	471.5
42.5°	451.9
45°	430.6
47.5°	407.7
50°	384.8
52.5°	361.8
55°	337.3
57.5°	311.1
60°	284.9
62.5°	258.7
65°	230.9
67.5°	203.0
70°	173.5
72.5°	145.7
75°	116.2
77.5°	88.4
80°	62.2
82.5°	39.3
85°	18.0
87.5°	4.9
90°	0.0

(END OF REPORT)