

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: P365037

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2364.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

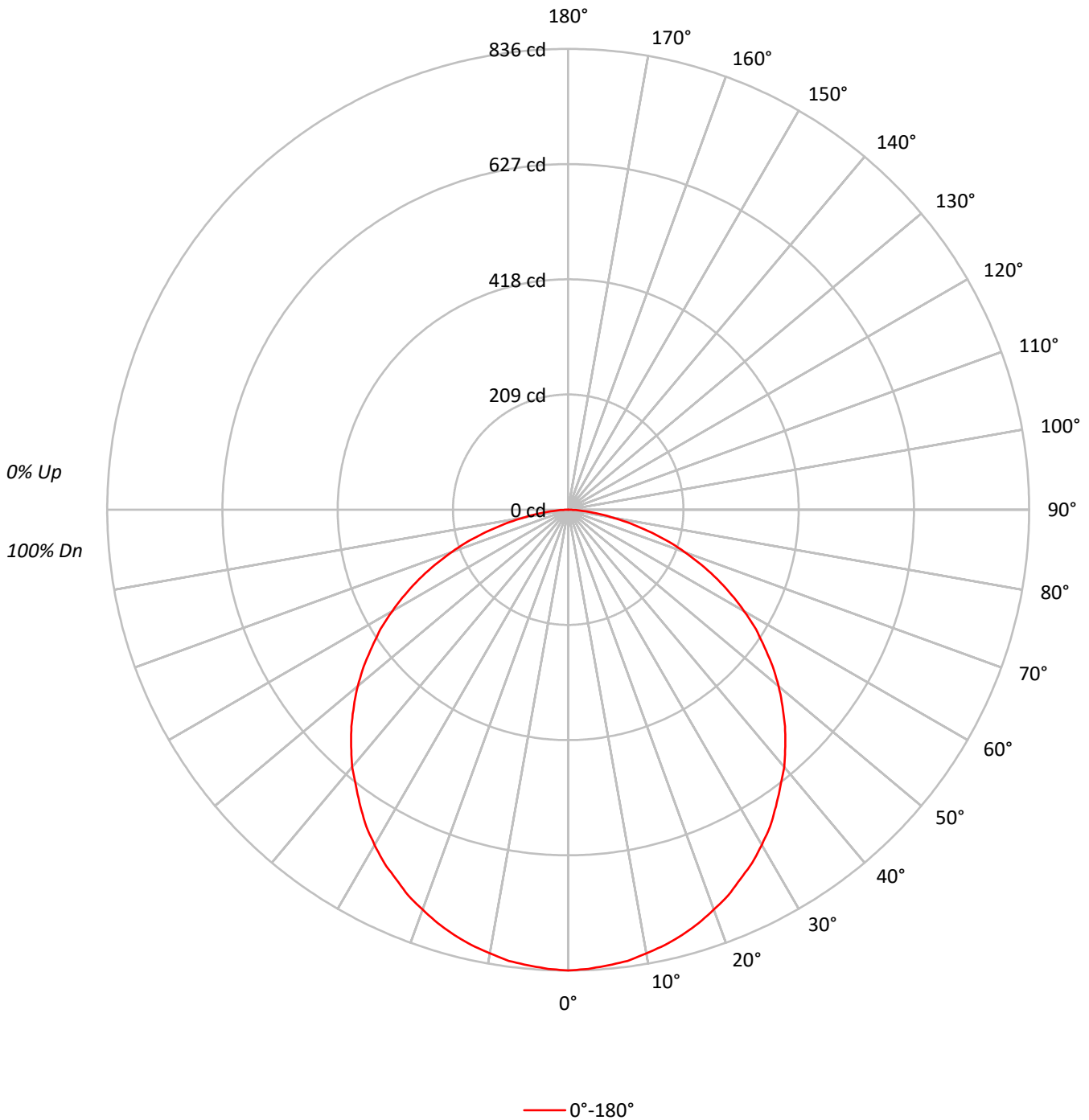
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94	98	94	91	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	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	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°	22833
5°	22750
10°	22669
15°	22589
20°	22441
25°	22276
30°	22145
35°	21902
40°	21730
45°	21474
50°	21171
55°	20687
60°	20131
65°	19293
70°	17922
75°	15862
80°	12962
85°	8399



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.9	3.3
10°-20°	225.3	9.5
20°-30°	341.2	14.4
30°-40°	411.3	17.4
40°-50°	428.5	18.1
50°-60°	388.8	16.4
60°-70°	294.4	12.5
70°-80°	160.3	6.8
80°-90°	35.3	1.5
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°	645.4	27.3
0°-40°	1056.6	44.7
0°-60°	1874.0	79.3
0°-90°	2364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2364.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	836	
5°	830	79
15°	799	225
25°	739	341
35°	657	411
45°	556	429
55°	434	389
65°	298	294
75°	150	160
85°	27	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	835.9
2.5°	833.8
5°	829.7
7.5°	825.6
10°	817.3
12.5°	809.1
15°	798.8
17.5°	786.5
20°	772.0
22.5°	757.6
25°	739.1
27.5°	722.6
30°	702.1
32.5°	681.5
35°	656.8
37.5°	632.1
40°	609.4
42.5°	582.6
45°	555.9
47.5°	527.1
50°	498.2
52.5°	467.3
55°	434.4
57.5°	403.5
60°	368.5
62.5°	333.5
65°	298.5
67.5°	261.5
70°	224.4
72.5°	189.4
75°	150.3
77.5°	115.3
80°	82.4
82.5°	51.5
85°	26.8
87.5°	10.3
90°	0.0

(END OF REPORT)