

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: P366441

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366441  
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: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2229.0 lumens  
Efficiency: N/A  
Efficacy: 38.4 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

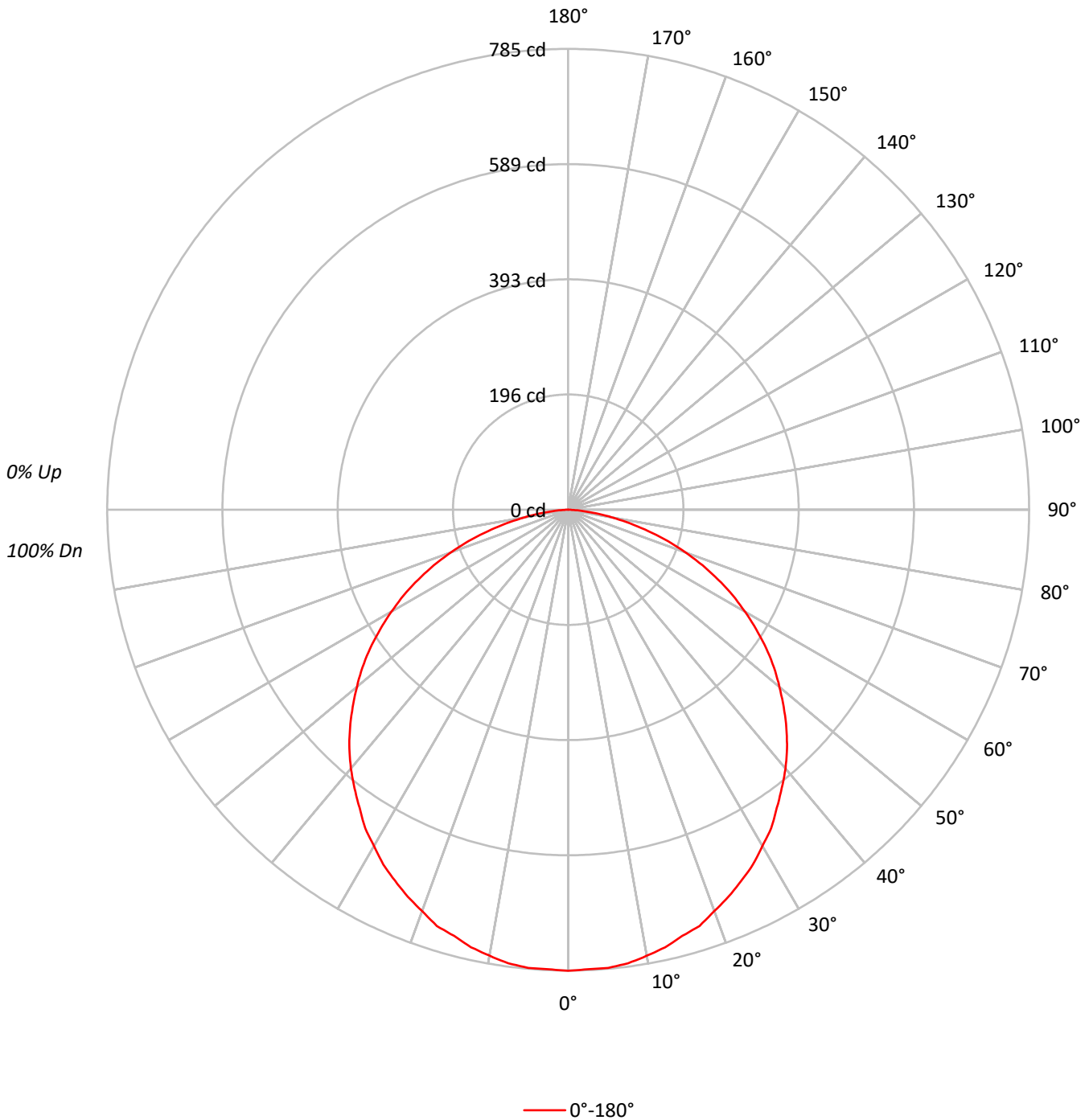
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	21453
5°	21481
10°	21399
15°	21252
20°	21147
25°	21022
30°	20864
35°	20661
40°	20524
45°	20304
50°	19960
55°	19606
60°	19000
65°	18214
70°	16923
75°	14976
80°	11939
85°	6895



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.4	3.3
10°-20°	212.6	9.5
20°-30°	321.6	14.4
30°-40°	388.3	17.4
40°-50°	405.0	18.2
50°-60°	367.2	16.5
60°-70°	278.4	12.5
70°-80°	150.6	6.8
80°-90°	31.0	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°	608.6	27.3
0°-40°	996.9	44.7
0°-60°	1769.0	79.4
0°-90°	2229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2229.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	785	
5°	783	74
15°	752	213
25°	698	322
35°	620	388
45°	526	405
55°	412	367
65°	282	278
75°	142	151
85°	22	31
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	785.4
2.5°	783.4
5°	783.4
7.5°	779.4
10°	771.5
12.5°	763.5
15°	751.5
17.5°	743.5
20°	727.5
22.5°	713.5
25°	697.5
27.5°	681.5
30°	661.5
32.5°	643.5
35°	619.6
37.5°	597.6
40°	575.6
42.5°	551.6
45°	525.6
47.5°	497.6
50°	469.7
52.5°	441.7
55°	411.7
57.5°	379.7
60°	347.8
62.5°	315.8
65°	281.8
67.5°	247.8
70°	211.9
72.5°	177.9
75°	141.9
77.5°	107.9
80°	75.9
82.5°	48.0
85°	22.0
87.5°	6.0
90°	0.0

(END OF REPORT)