

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: P365019

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365019  
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-FEU6B67-8035-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: 2339.0 lumens  
Efficiency: N/A  
Efficacy: 40.3 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

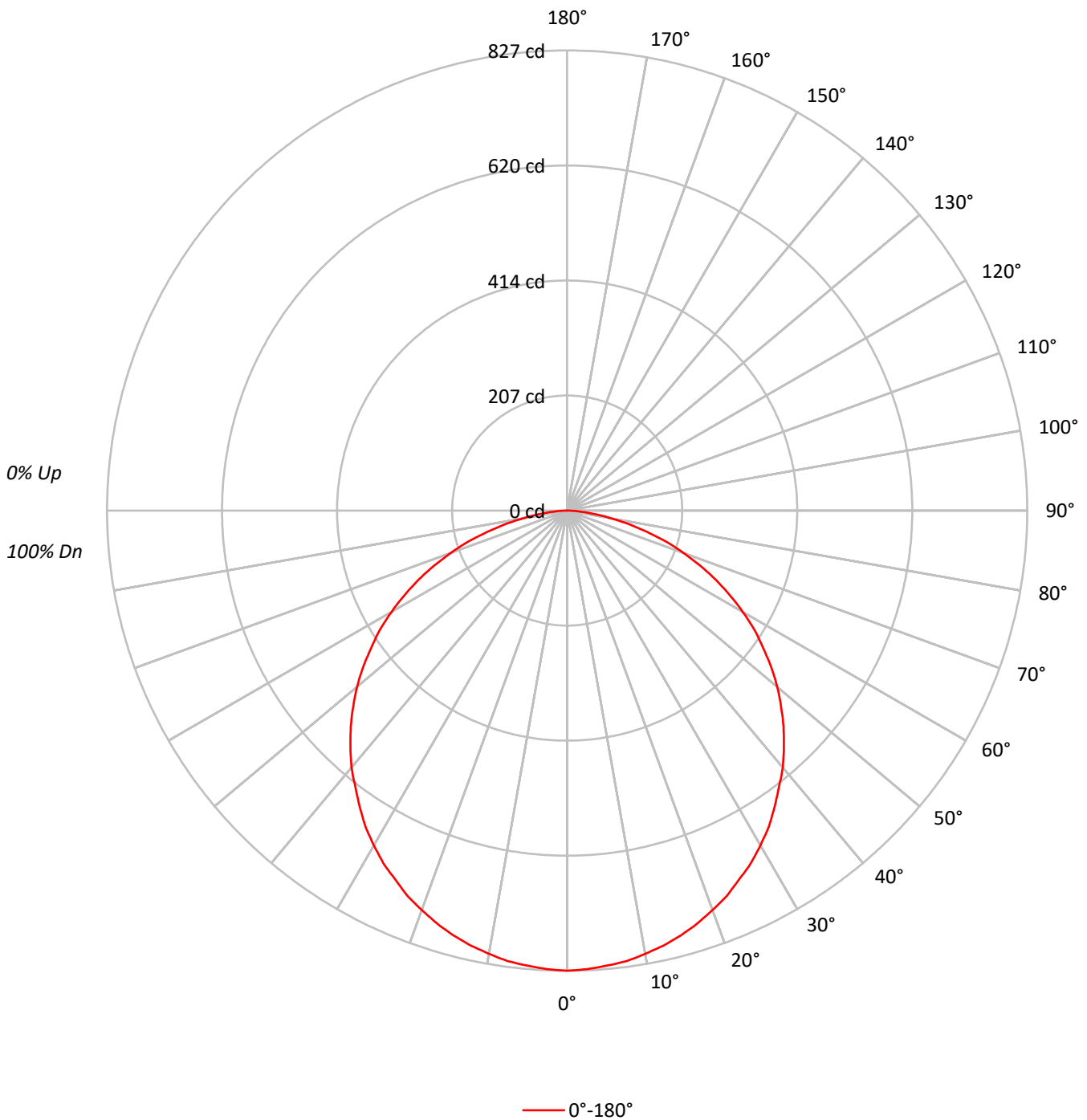
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	22590
5°	22509
10°	22431
15°	22352
20°	22205
25°	22041
30°	21908
35°	21668
40°	21502
45°	21246
50°	20950
55°	20468
60°	19918
65°	19093
70°	17730
75°	15694
80°	12820
85°	8305



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.0	3.3
10°-20°	223.0	9.5
20°-30°	337.5	14.4
30°-40°	406.9	17.4
40°-50°	424.0	18.1
50°-60°	384.8	16.4
60°-70°	291.3	12.5
70°-80°	158.6	6.8
80°-90°	34.9	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°	638.5	27.3
0°-40°	1045.5	44.7
0°-60°	1854.2	79.3
0°-90°	2339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2339.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	827	
5°	821	78
15°	790	223
25°	731	338
35°	650	407
45°	550	424
55°	430	385
65°	295	291
75°	149	159
85°	26	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	827.0
2.5°	825.0
5°	820.9
7.5°	816.8
10°	808.7
12.5°	800.6
15°	790.4
17.5°	778.1
20°	763.9
22.5°	749.6
25°	731.3
27.5°	715.0
30°	694.6
32.5°	674.3
35°	649.8
37.5°	625.4
40°	603.0
42.5°	576.5
45°	550.0
47.5°	521.5
50°	493.0
52.5°	462.4
55°	429.8
57.5°	399.3
60°	364.6
62.5°	330.0
65°	295.4
67.5°	258.7
70°	222.0
72.5°	187.4
75°	148.7
77.5°	114.1
80°	81.5
82.5°	50.9
85°	26.5
87.5°	10.2
90°	0.0

(END OF REPORT)