

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: P366459

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366459  
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-FEU6B67-8035-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: 2274.0 lumens  
Efficiency: N/A  
Efficacy: 39.1 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

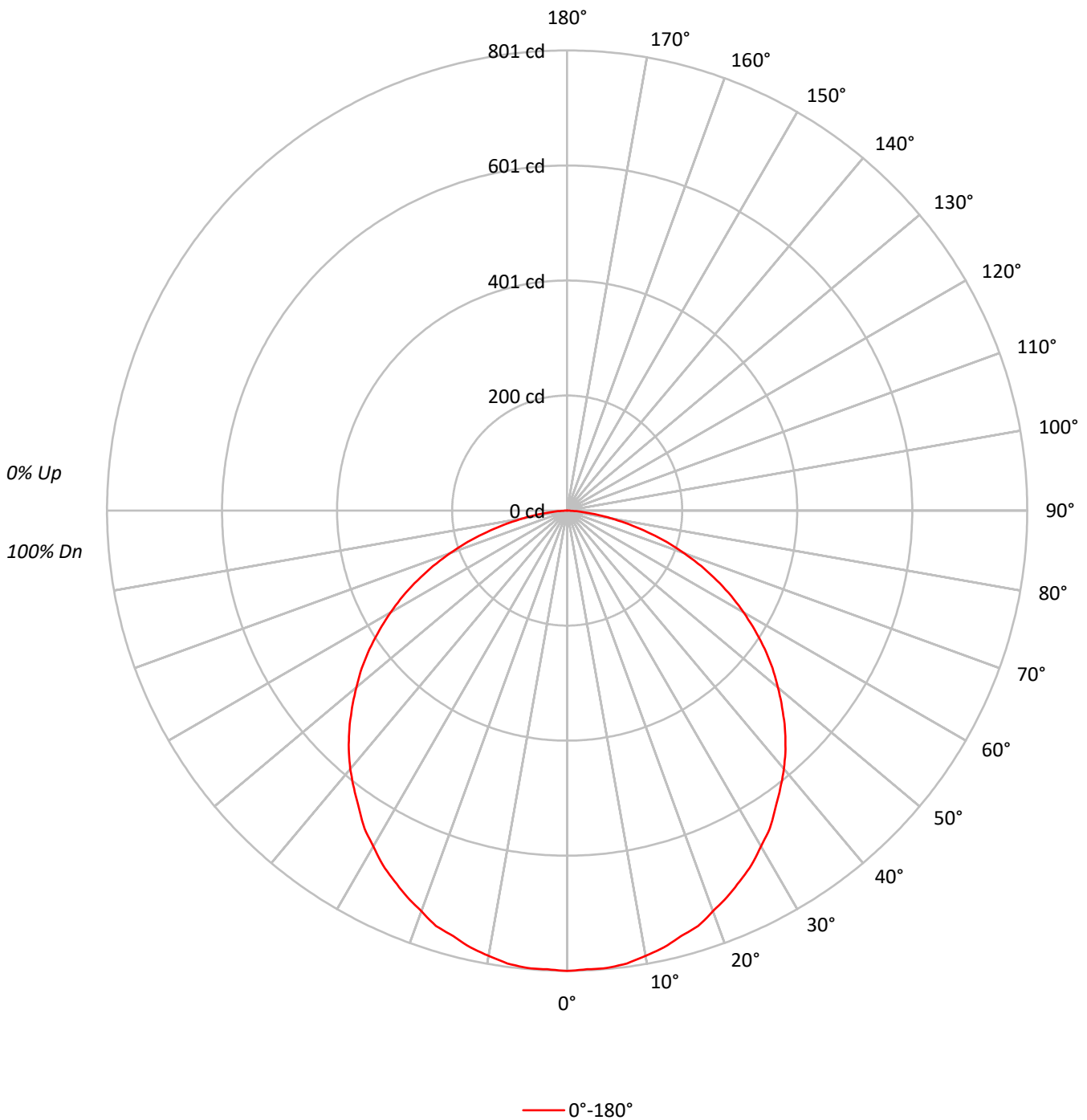
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	21888
5°	21916
10°	21829
15°	21679
20°	21574
25°	21447
30°	21287
35°	21078
40°	20938
45°	20713
50°	20364
55°	20002
60°	19383
65°	18582
70°	17259
75°	15282
80°	12191
85°	7020



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.9	3.3
10°-20°	216.8	9.5
20°-30°	328.1	14.4
30°-40°	396.1	17.4
40°-50°	413.1	18.2
50°-60°	374.6	16.5
60°-70°	284.0	12.5
70°-80°	153.7	6.8
80°-90°	31.6	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°	620.9	27.3
0°-40°	1017.0	44.7
0°-60°	1804.7	79.4
0°-90°	2274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2274.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	801	
5°	799	76
15°	767	217
25°	712	328
35°	632	396
45°	536	413
55°	420	375
65°	288	284
75°	145	154
85°	22	32
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	801.3
2.5°	799.3
5°	799.3
7.5°	795.2
10°	787.0
12.5°	778.9
15°	766.6
17.5°	758.5
20°	742.2
22.5°	727.9
25°	711.6
27.5°	695.3
30°	674.9
32.5°	656.5
35°	632.1
37.5°	609.6
40°	587.2
42.5°	562.7
45°	536.2
47.5°	507.7
50°	479.2
52.5°	450.6
55°	420.0
57.5°	387.4
60°	354.8
62.5°	322.2
65°	287.5
67.5°	252.8
70°	216.1
72.5°	181.5
75°	144.8
77.5°	110.1
80°	77.5
82.5°	48.9
85°	22.4
87.5°	6.1
90°	0.0

(END OF REPORT)