

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: P366297

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366297  
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: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1584.0 lumens  
Efficiency: N/A  
Efficacy: 39.0 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

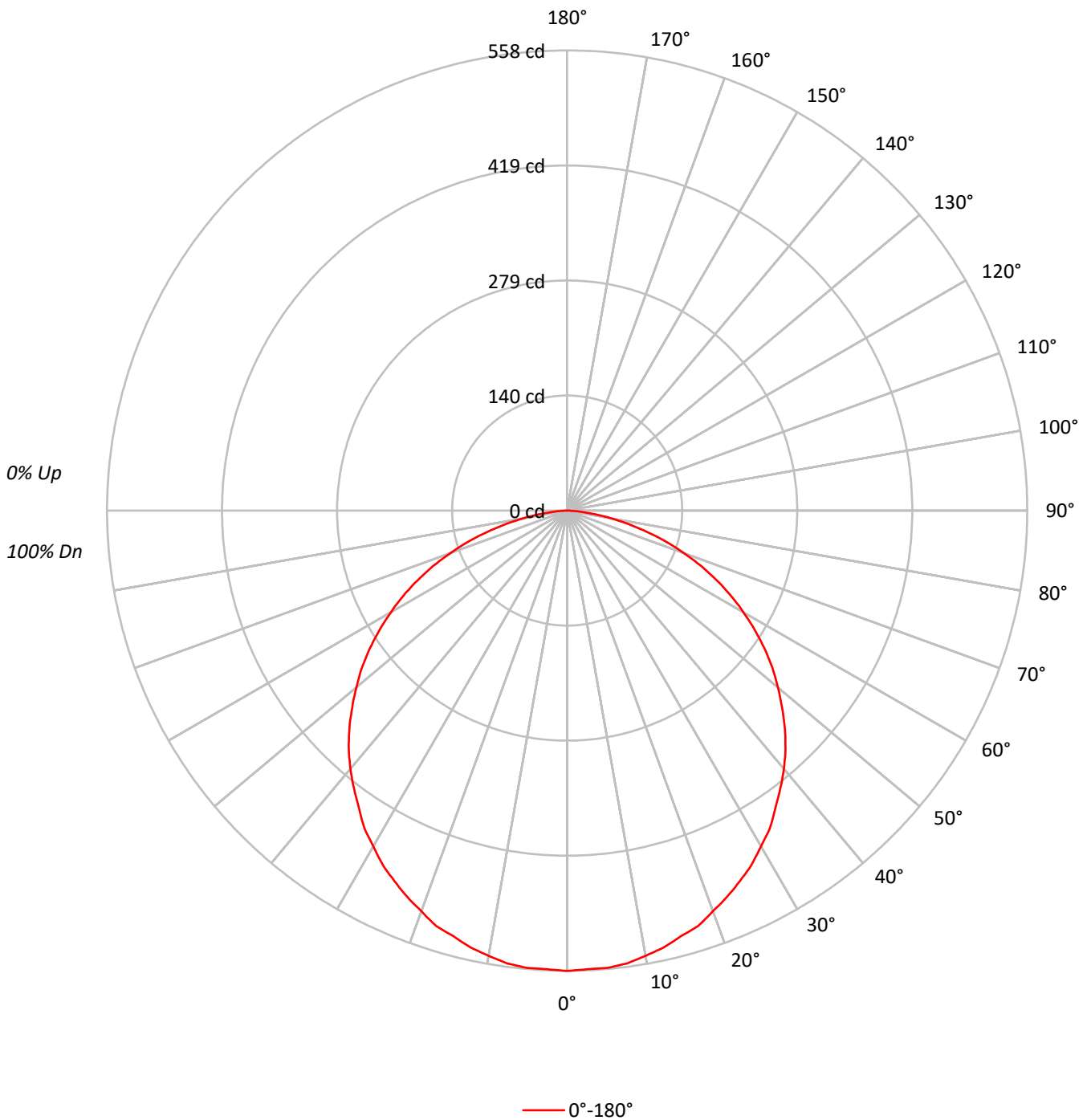
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	15247
5°	15264
10°	15205
15°	15101
20°	15028
25°	14940
30°	14827
35°	14682
40°	14584
45°	14428
50°	14185
55°	13934
60°	13499
65°	12946
70°	12020
75°	10638
80°	8494
85°	4889



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.9	3.3
10°-20°	151.0	9.5
20°-30°	228.6	14.4
30°-40°	275.9	17.4
40°-50°	287.8	18.2
50°-60°	260.9	16.5
60°-70°	197.8	12.5
70°-80°	107.0	6.8
80°-90°	22.0	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°	432.5	27.3
0°-40°	708.4	44.7
0°-60°	1257.1	79.4
0°-90°	1584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1584.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	558	
5°	557	53
15°	534	151
25°	496	229
35°	440	276
45°	374	288
55°	293	261
65°	200	198
75°	101	107
85°	16	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	558.2
2.5°	556.7
5°	556.7
7.5°	553.9
10°	548.2
12.5°	542.5
15°	534.0
17.5°	528.3
20°	517.0
22.5°	507.0
25°	495.7
27.5°	484.3
30°	470.1
32.5°	457.3
35°	440.3
37.5°	424.7
40°	409.0
42.5°	392.0
45°	373.5
47.5°	353.6
50°	333.8
52.5°	313.9
55°	292.6
57.5°	269.8
60°	247.1
62.5°	224.4
65°	200.3
67.5°	176.1
70°	150.5
72.5°	126.4
75°	100.8
77.5°	76.7
80°	54.0
82.5°	34.1
85°	15.6
87.5°	4.3
90°	0.0

(END OF REPORT)