

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: P364839

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364839  
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: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1612.0 lumens  
Efficiency: N/A  
Efficacy: 39.7 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

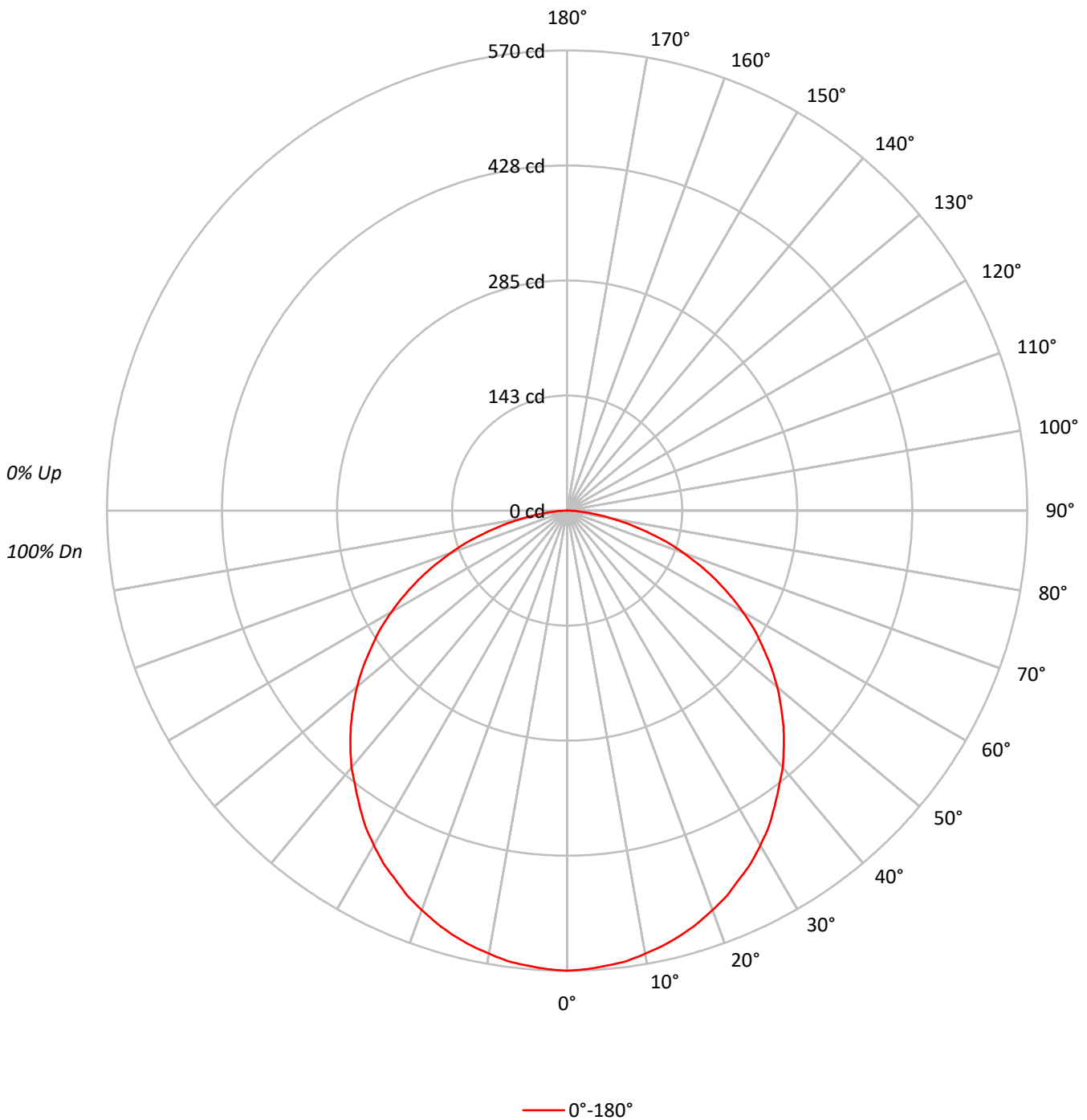
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	15570
5°	15514
10°	15458
15°	15403
20°	15304
25°	15190
30°	15099
35°	14932
40°	14816
45°	14641
50°	14436
55°	14106
60°	13729
65°	13159
70°	12219
75°	10818
80°	8840
85°	5735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	3.3
10°-20°	153.7	9.5
20°-30°	232.6	14.4
30°-40°	280.4	17.4
40°-50°	292.2	18.1
50°-60°	265.2	16.4
60°-70°	200.7	12.5
70°-80°	109.4	6.8
80°-90°	24.1	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°	440.1	27.3
0°-40°	720.5	44.7
0°-60°	1277.9	79.3
0°-90°	1612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1612.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	570	
5°	566	54
15°	545	154
25°	504	233
35°	448	280
45°	379	292
55°	296	265
65°	204	201
75°	102	109
85°	18	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	570.0
2.5°	568.6
5°	565.8
7.5°	563.0
10°	557.3
12.5°	551.7
15°	544.7
17.5°	536.3
20°	526.5
22.5°	516.6
25°	504.0
27.5°	492.8
30°	478.7
32.5°	464.7
35°	447.8
37.5°	431.0
40°	415.5
42.5°	397.3
45°	379.0
47.5°	359.4
50°	339.7
52.5°	318.7
55°	296.2
57.5°	275.2
60°	251.3
62.5°	227.4
65°	203.6
67.5°	178.3
70°	153.0
72.5°	129.2
75°	102.5
77.5°	78.6
80°	56.2
82.5°	35.1
85°	18.3
87.5°	7.0
90°	0.0

(END OF REPORT)