

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: P366263

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366263  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2777.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

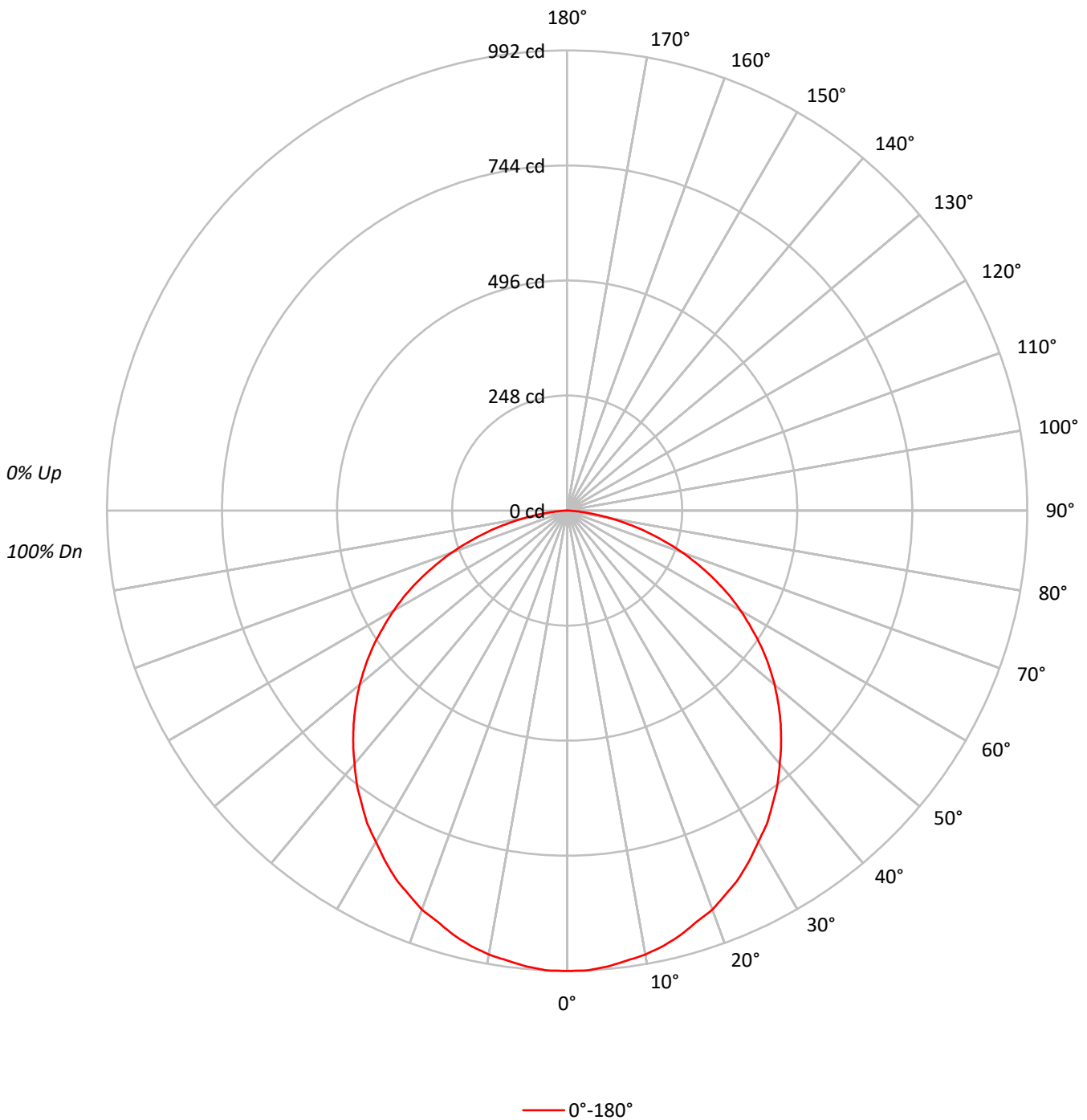
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	27108
5°	27060
10°	26954
15°	26780
20°	26609
25°	26384
30°	26006
35°	25750
40°	25424
45°	25152
50°	24800
55°	24321
60°	23611
65°	22596
70°	21108
75°	18744
80°	14944
85°	9057



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.7	3.4
10°-20°	267.1	9.6
20°-30°	402.7	14.5
30°-40°	483.4	17.4
40°-50°	502.0	18.1
50°-60°	455.6	16.4
60°-70°	345.6	12.4
70°-80°	187.7	6.8
80°-90°	39.1	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°	763.5	27.5
0°-40°	1246.9	44.9
0°-60°	2204.5	79.4
0°-90°	2777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2777.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	992	
5°	987	94
15°	947	267
25°	875	403
35°	772	483
45°	651	502
55°	511	456
65°	350	346
75°	178	188
85°	29	39
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	992.4
2.5°	992.4
5°	986.9
7.5°	978.7
10°	971.8
12.5°	960.8
15°	947.0
17.5°	929.1
20°	915.4
22.5°	894.7
25°	875.4
27.5°	850.7
30°	824.5
32.5°	801.1
35°	772.2
37.5°	744.7
40°	713.0
42.5°	682.7
45°	651.1
47.5°	618.0
50°	583.6
52.5°	547.8
55°	510.7
57.5°	470.8
60°	432.2
62.5°	392.3
65°	349.6
67.5°	307.0
70°	264.3
72.5°	220.2
75°	177.6
77.5°	134.9
80°	95.0
82.5°	59.2
85°	28.9
87.5°	8.3
90°	0.0

(END OF REPORT)