

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: P365559

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)  
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-MW-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1426.0 lumens  
Efficiency: N/A  
Efficacy: 35.1 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

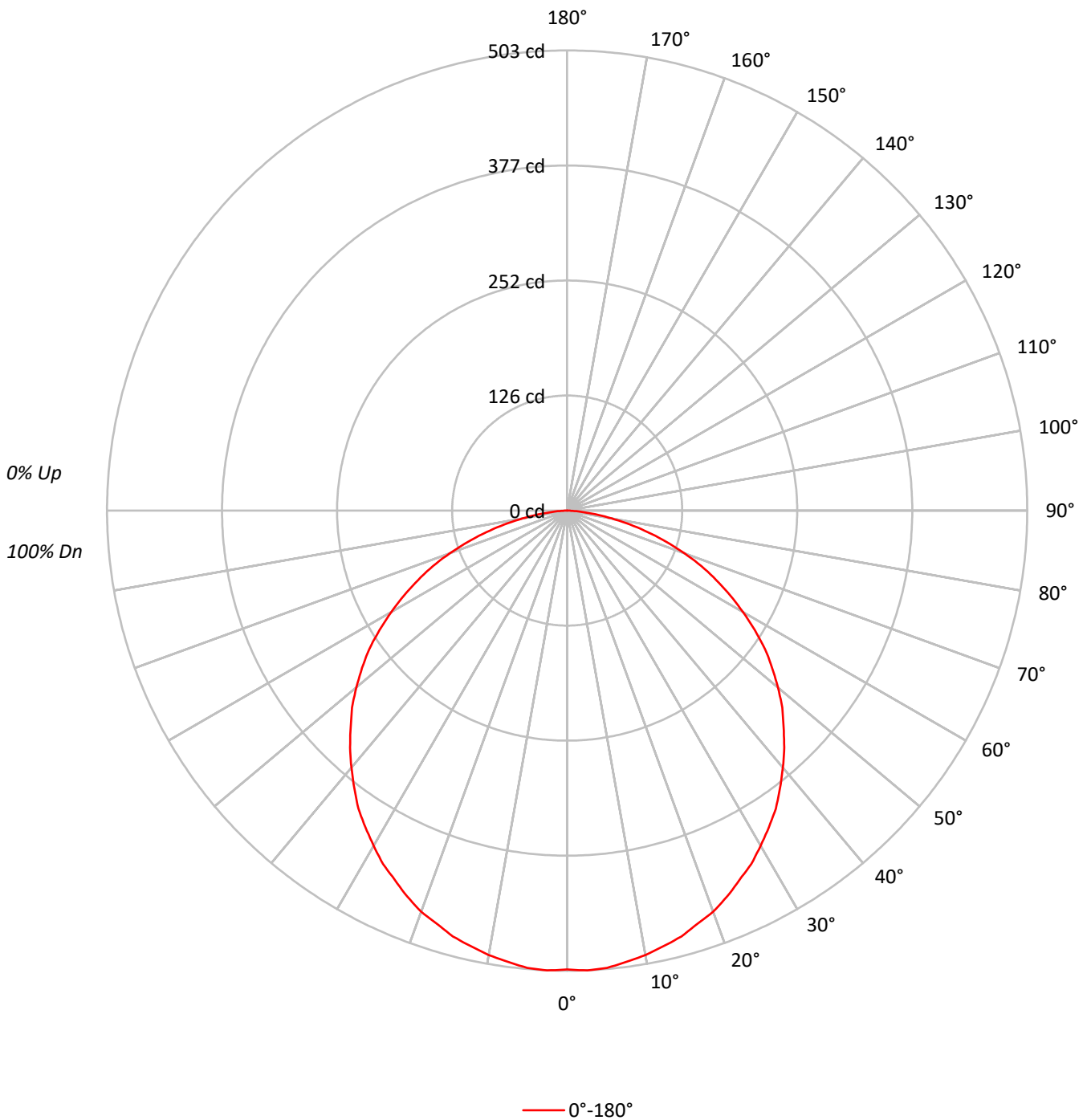
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	82	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°	13704
5°	13756
10°	13682
15°	13630
20°	13563
25°	13427
30°	13342
35°	13262
40°	13079
45°	12922
50°	12778
55°	12582
60°	12128
65°	11628
70°	10886
75°	9636
80°	7739
85°	4419



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.6	3.3
10°-20°	135.9	9.5
20°-30°	205.7	14.4
30°-40°	248.3	17.4
40°-50°	258.5	18.1
50°-60°	235.1	16.5
60°-70°	177.8	12.5
70°-80°	97.0	6.8
80°-90°	20.1	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°	389.2	27.3
0°-40°	637.5	44.7
0°-60°	1131.0	79.3
0°-90°	1426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1426.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	502	
5°	502	48
15°	482	136
25°	446	206
35°	398	248
45°	334	258
55°	264	235
65°	180	178
75°	91	97
85°	14	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	501.7
2.5°	503.1
5°	501.7
7.5°	497.5
10°	493.3
12.5°	487.7
15°	482.0
17.5°	473.6
20°	466.6
22.5°	456.7
25°	445.5
27.5°	435.7
30°	423.0
32.5°	410.4
35°	397.7
37.5°	382.3
40°	366.8
42.5°	351.3
45°	334.5
47.5°	319.0
50°	300.7
52.5°	282.5
55°	264.2
57.5°	243.1
60°	222.0
62.5°	201.0
65°	179.9
67.5°	158.8
70°	136.3
72.5°	113.8
75°	91.3
77.5°	70.3
80°	49.2
82.5°	30.9
85°	14.1
87.5°	4.2
90°	0.0

(END OF REPORT)