

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: P366371

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366371  
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: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3519.0 lumens  
Efficiency: N/A  
Efficacy: 63.9 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

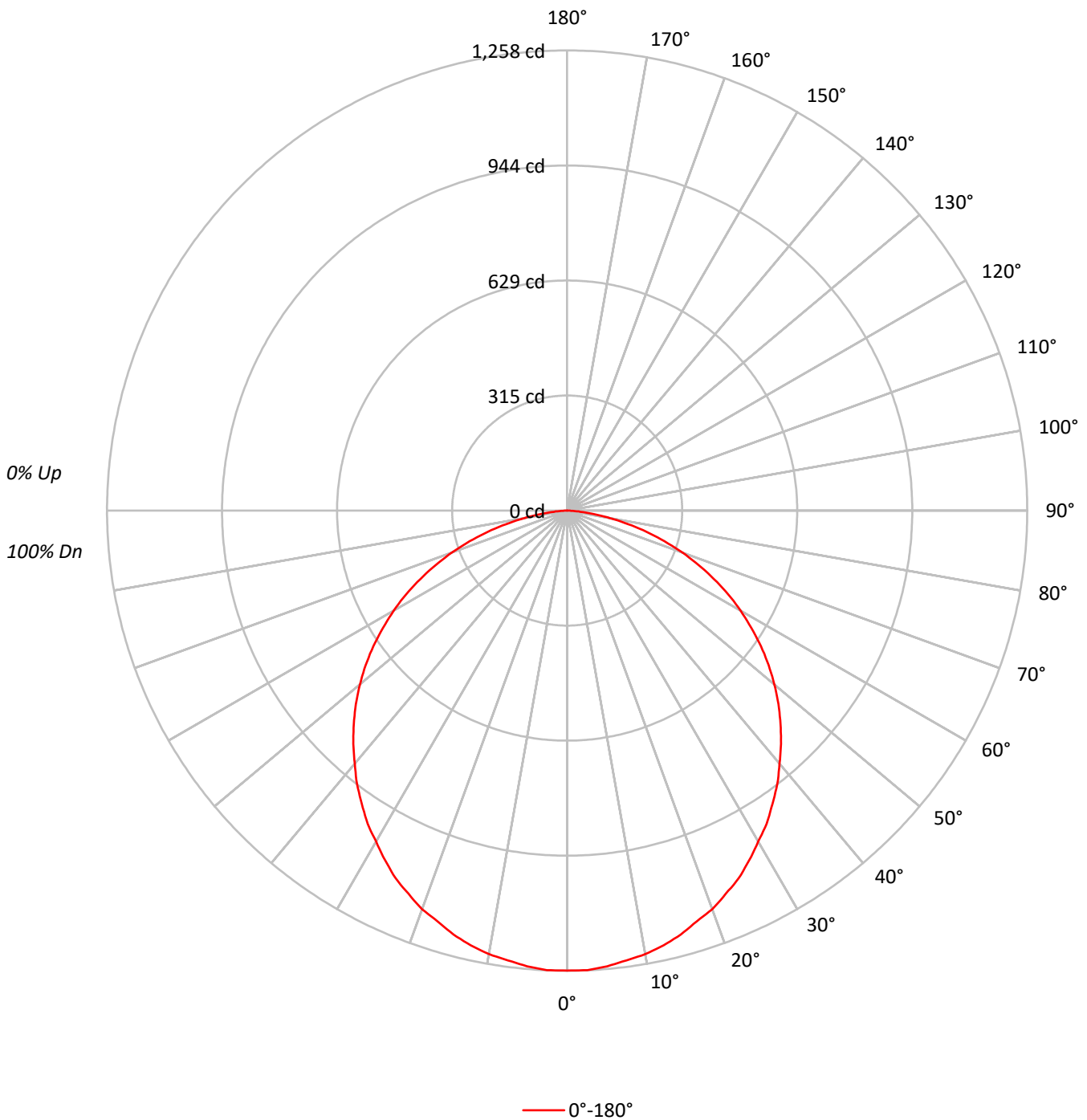
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	34352
5°	34291
10°	34155
15°	33937
20°	33716
25°	33436
30°	32954
35°	32629
40°	32217
45°	31869
50°	31429
55°	30817
60°	29921
65°	28633
70°	26747
75°	23746
80°	18939
85°	11471



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.7	3.4
10°-20°	338.4	9.6
20°-30°	510.3	14.5
30°-40°	612.6	17.4
40°-50°	636.2	18.1
50°-60°	577.3	16.4
60°-70°	438.0	12.4
70°-80°	237.9	6.8
80°-90°	49.6	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°	967.5	27.5
0°-40°	1580.0	44.9
0°-60°	2793.6	79.4
0°-90°	3519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3519.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1258	
5°	1251	119
15°	1200	338
25°	1109	510
35°	978	613
45°	825	636
55°	647	577
65°	443	438
75°	225	238
85°	37	50
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1257.6
2.5°	1257.6
5°	1250.6
7.5°	1240.2
10°	1231.4
12.5°	1217.5
15°	1200.1
17.5°	1177.4
20°	1159.9
22.5°	1133.8
25°	1109.4
27.5°	1078.0
30°	1044.8
32.5°	1015.2
35°	978.5
37.5°	943.6
40°	903.5
42.5°	865.2
45°	825.0
47.5°	783.2
50°	739.6
52.5°	694.2
55°	647.1
57.5°	596.5
60°	547.7
62.5°	497.1
65°	443.0
67.5°	389.0
70°	334.9
72.5°	279.1
75°	225.0
77.5°	170.9
80°	120.4
82.5°	75.0
85°	36.6
87.5°	10.5
90°	0.0

(END OF REPORT)