

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: P365682

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365682  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4142.0 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

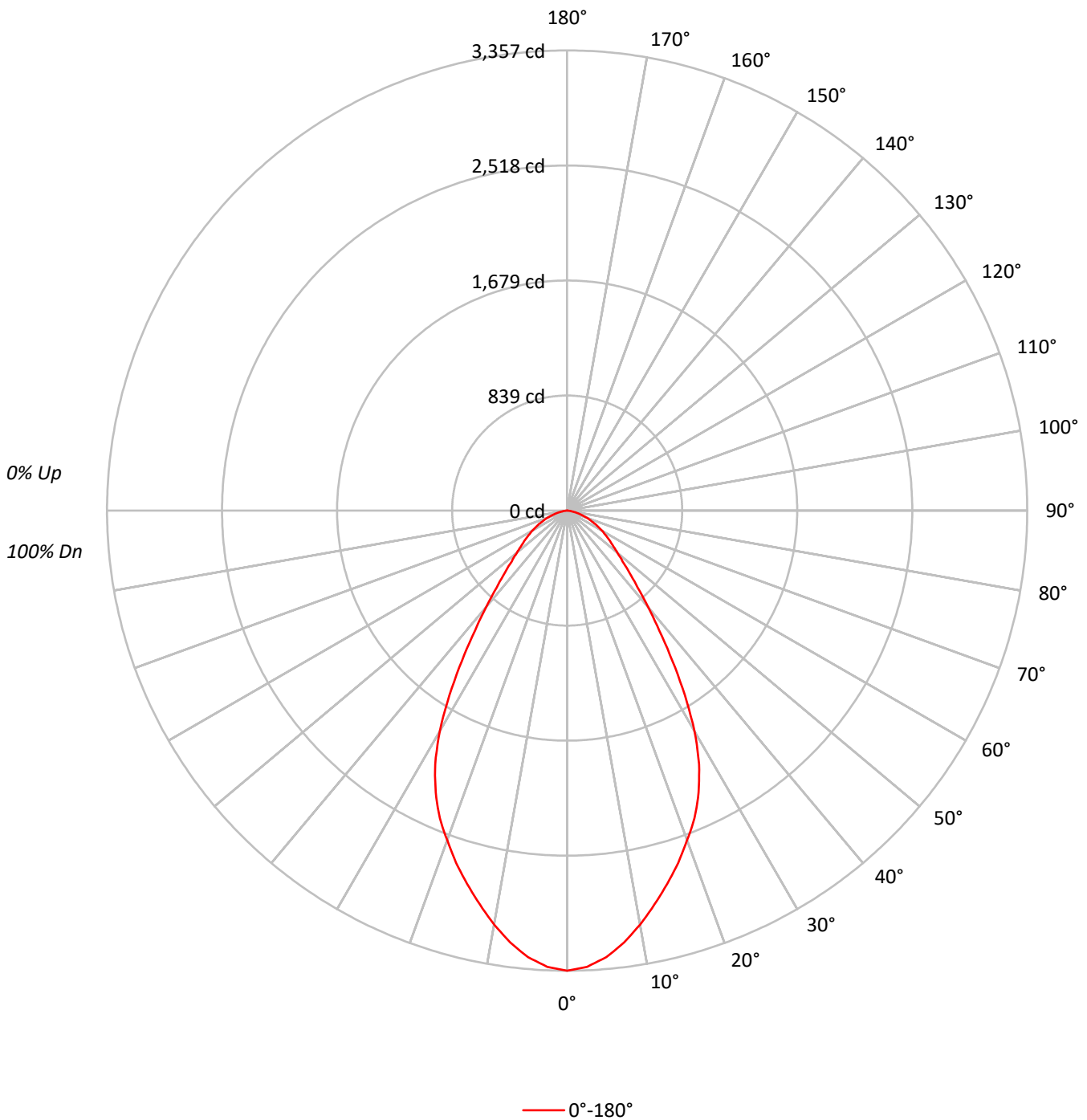
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	91692
5°	89665
10°	85043
15°	79710
20°	74377
25°	68410
30°	58606
35°	44617
40°	32773
45°	24831
50°	20334
55°	17887
60°	15979
65°	14006
70°	11972
75°	9340
80°	6245
85°	2821



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.6	7.4
10°-20°	791.3	19.1
20°-30°	1031.2	24.9
30°-40°	840.7	20.3
40°-50°	508.9	12.3
50°-60°	338.0	8.2
60°-70°	216.2	5.2
70°-80°	95.8	2.3
80°-90°	14.2	0.3
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°	2128.1	51.4
0°-40°	2968.8	71.7
0°-60°	3815.8	92.1
0°-90°	4142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4142.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3357	
5°	3270	306
15°	2819	791
25°	2270	1031
35°	1338	841
45°	643	509
55°	376	338
65°	217	216
75°	88	96
85°	9	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3356.8
2.5°	3331.5
5°	3270.1
7.5°	3178.1
10°	3066.1
12.5°	2943.3
15°	2818.7
17.5°	2694.1
20°	2558.7
22.5°	2428.7
25°	2269.8
27.5°	2085.6
30°	1858.1
32.5°	1598.1
35°	1338.0
37.5°	1103.3
40°	919.1
42.5°	762.0
45°	642.8
47.5°	548.9
50°	478.5
52.5°	420.7
55°	375.6
57.5°	332.3
60°	292.5
62.5°	254.6
65°	216.7
67.5°	182.4
70°	149.9
72.5°	117.4
75°	88.5
77.5°	63.2
80°	39.7
82.5°	21.7
85°	9.0
87.5°	1.8
90°	0.0

(END OF REPORT)