

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: P365612

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3555.0 lumens  
Efficiency: N/A  
Efficacy: 64.5 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

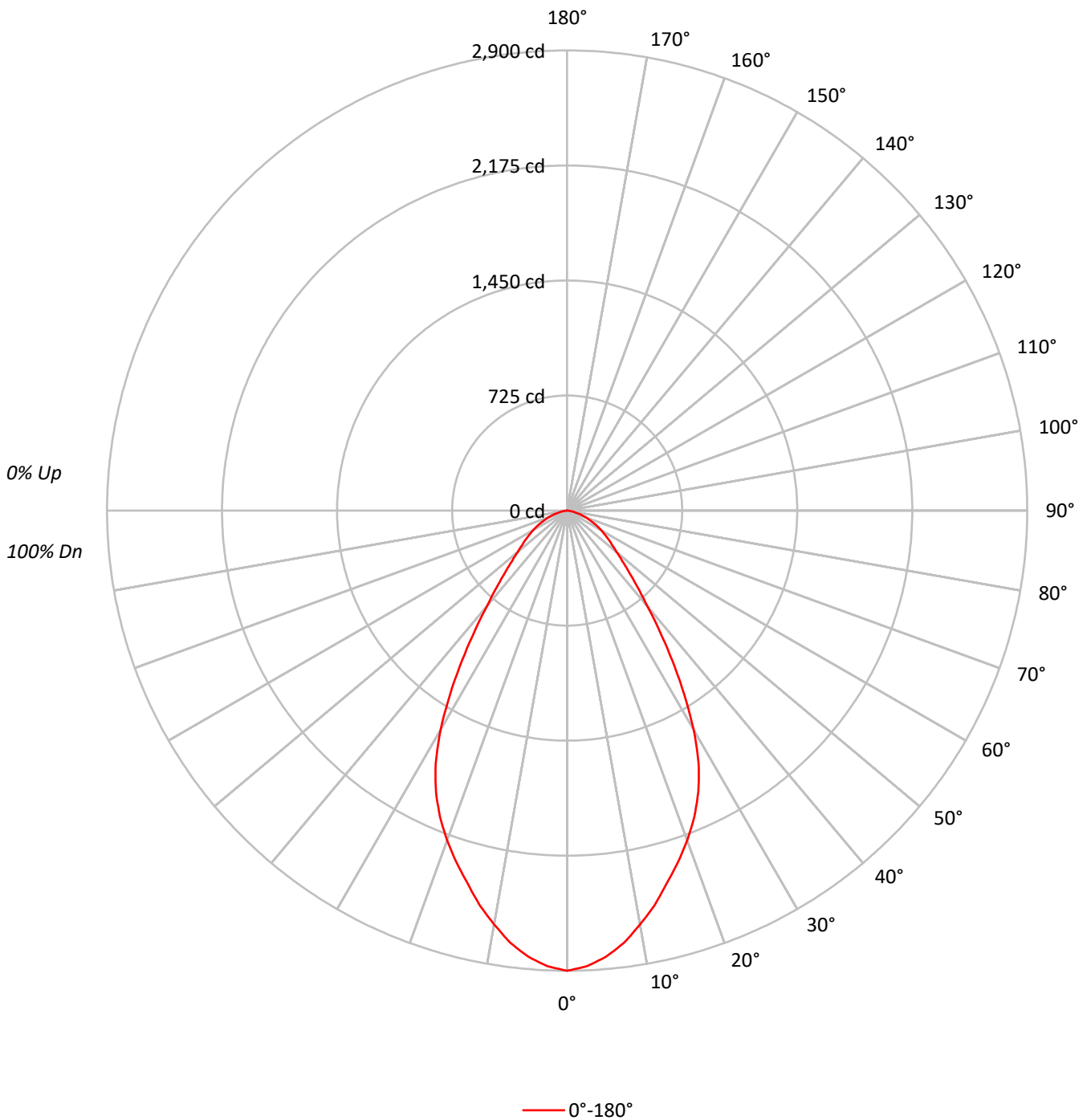
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	79220
5°	77370
10°	73455
15°	68692
20°	64285
25°	58964
30°	50305
35°	38508
40°	27998
45°	21358
50°	17308
55°	15192
60°	13494
65°	11737
70°	9927
75°	7768
80°	5144
85°	2037



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.9	7.4
10°-20°	683.1	19.2
20°-30°	888.1	25.0
30°-40°	723.8	20.4
40°-50°	437.0	12.3
50°-60°	287.0	8.1
60°-70°	181.3	5.1
70°-80°	79.2	2.2
80°-90°	11.5	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°	1835.1	51.6
0°-40°	2558.9	72.0
0°-60°	3282.9	92.3
0°-90°	3555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3555.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2900	
5°	2822	264
15°	2429	683
25°	1956	888
35°	1155	724
45°	553	437
55°	319	287
65°	182	181
75°	74	79
85°	6	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2900.2
2.5°	2874.0
5°	2821.7
7.5°	2746.4
10°	2648.3
12.5°	2546.9
15°	2429.1
17.5°	2322.8
20°	2211.5
22.5°	2092.1
25°	1956.4
27.5°	1794.4
30°	1594.9
32.5°	1372.4
35°	1154.8
37.5°	955.3
40°	785.2
42.5°	657.6
45°	552.9
47.5°	471.1
50°	407.3
52.5°	358.2
55°	319.0
57.5°	281.4
60°	247.0
62.5°	214.3
65°	181.6
67.5°	152.1
70°	124.3
72.5°	98.1
75°	73.6
77.5°	50.7
80°	32.7
82.5°	18.0
85°	6.5
87.5°	1.6
90°	0.0

(END OF REPORT)