

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: P365691

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365691  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
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-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3209.0 lumens  
Efficiency: N/A  
Efficacy: 58.2 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

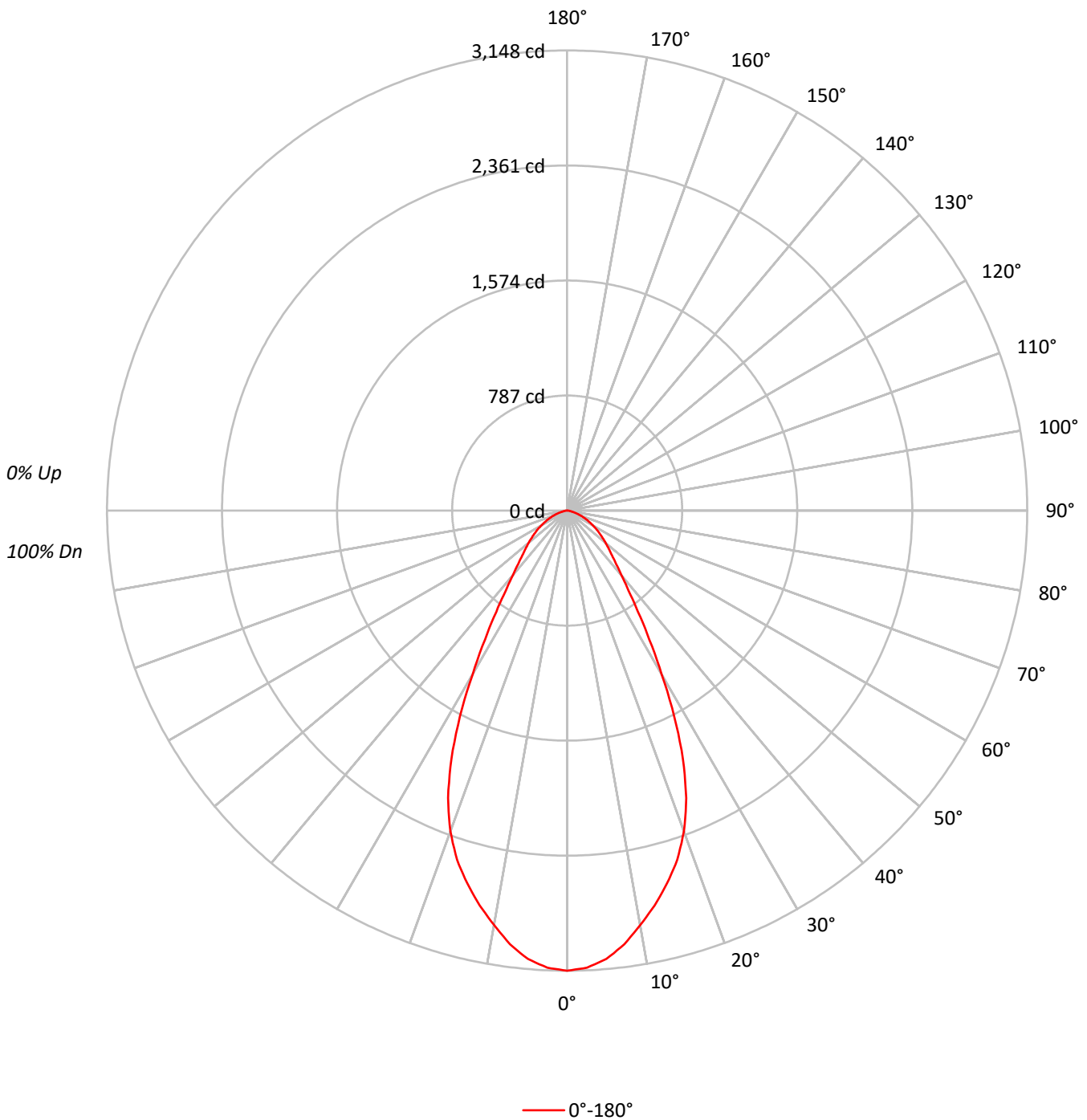
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	225388
5°	221319
10°	209300
15°	195719
20°	177928
25°	148101
30°	106912
35°	73879
40°	54016
45°	43886
50°	38219
55°	33593
60°	29228
65°	24787
70°	20035
75°	13998
80°	8948
85°	10351



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.5	9.0
10°-20°	737.7	23.0
20°-30°	842.6	26.3
30°-40°	543.5	16.9
40°-50°	341.3	10.6
50°-60°	242.1	7.5
60°-70°	145.9	4.5
70°-80°	56.3	1.8
80°-90°	12.3	0.4
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°	1867.7	58.2
0°-40°	2411.2	75.1
0°-60°	2994.5	93.3
0°-90°	3209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3148	
5°	3079	287
15°	2640	738
25°	1875	843
35°	845	543
45°	433	341
55°	269	242
65°	146	146
75°	51	56
85°	13	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3147.8
2.5°	3129.7
5°	3079.2
7.5°	2992.5
10°	2878.7
12.5°	2766.7
15°	2640.3
17.5°	2504.9
20°	2335.1
22.5°	2129.2
25°	1874.6
27.5°	1587.4
30°	1293.1
32.5°	1045.7
35°	845.2
37.5°	689.9
40°	577.9
42.5°	496.6
45°	433.4
47.5°	384.7
50°	343.1
52.5°	305.2
55°	269.1
57.5°	236.6
60°	204.1
62.5°	175.2
65°	146.3
67.5°	119.2
70°	95.7
72.5°	70.4
75°	50.6
77.5°	34.3
80°	21.7
82.5°	14.4
85°	12.6
87.5°	7.2
90°	0.0

(END OF REPORT)