

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: P364951

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364951  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3887.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

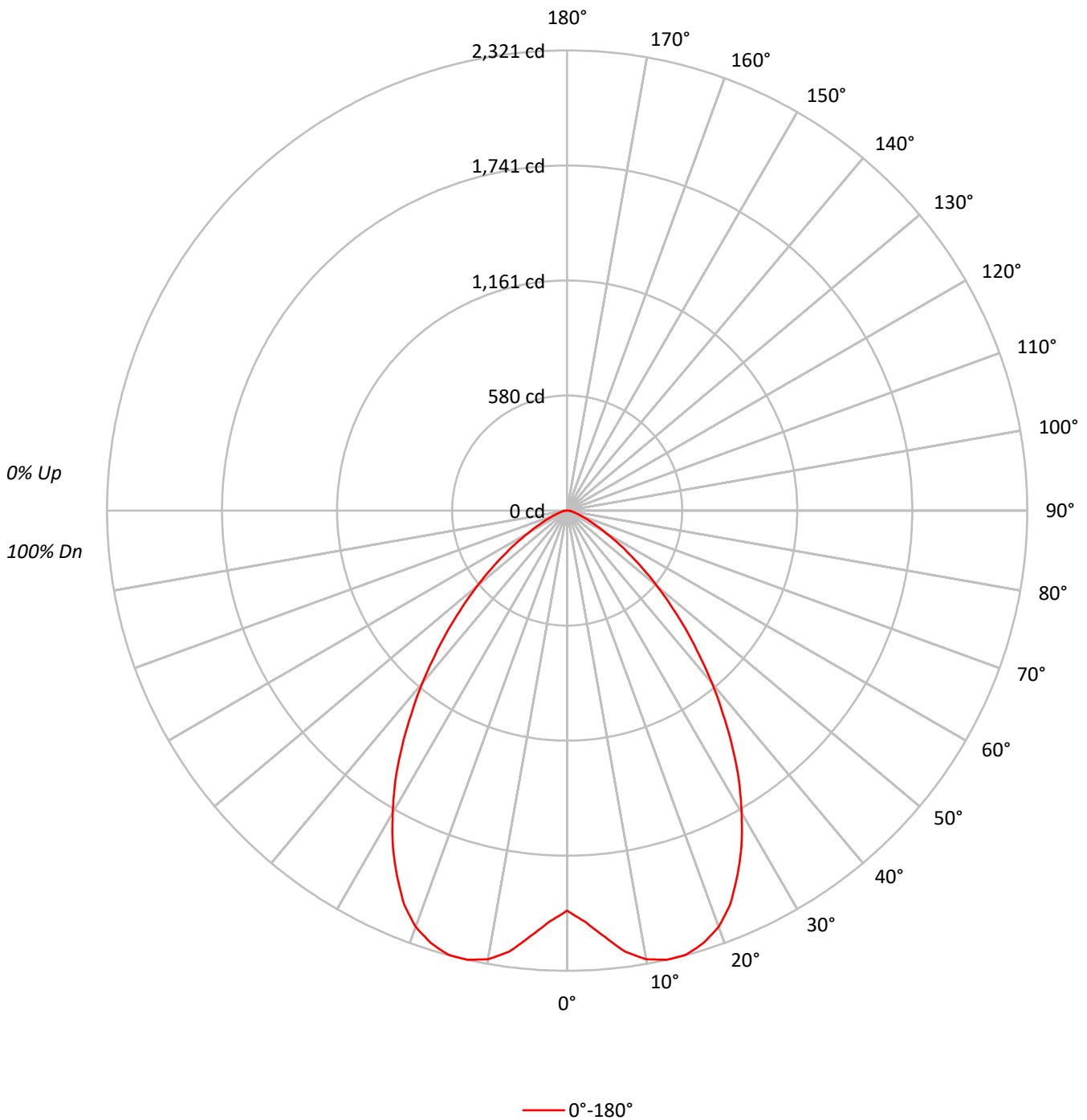
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	144464
5°	155021
10°	167058
15°	171895
20°	170247
25°	160512
30°	145539
35°	126910
40°	106396
45°	85646
50°	65956
55°	47949
60°	32550
65°	21500
70°	14026
75°	10734
80°	9443
85°	11584



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.6	5.4
10°-20°	650.5	16.7
20°-30°	928.9	23.9
30°-40°	903.7	23.2
40°-50°	653.7	16.8
50°-60°	350.4	9.0
60°-70°	132.1	3.4
70°-80°	43.4	1.1
80°-90°	13.7	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°	1790.0	46.1
0°-40°	2693.7	69.3
0°-60°	3697.8	95.1
0°-90°	3887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3887.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2018	
5°	2157	211
15°	2319	651
25°	2032	929
35°	1452	904
45°	846	654
55°	384	350
65°	127	132
75°	39	43
85°	14	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2017.6
2.5°	2075.7
5°	2156.8
7.5°	2244.9
10°	2297.7
12.5°	2320.6
15°	2318.9
17.5°	2287.2
20°	2234.3
22.5°	2149.7
25°	2031.7
27.5°	1904.8
30°	1760.3
32.5°	1612.3
35°	1451.9
37.5°	1289.8
40°	1138.3
42.5°	983.2
45°	845.8
47.5°	711.9
50°	592.1
52.5°	481.0
55°	384.1
57.5°	301.3
60°	227.3
62.5°	170.9
65°	126.9
67.5°	91.6
70°	67.0
72.5°	51.1
75°	38.8
77.5°	30.0
80°	22.9
82.5°	17.6
85°	14.1
87.5°	7.0
90°	0.0

(END OF REPORT)