

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: P364952

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364952  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
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-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3850.0 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

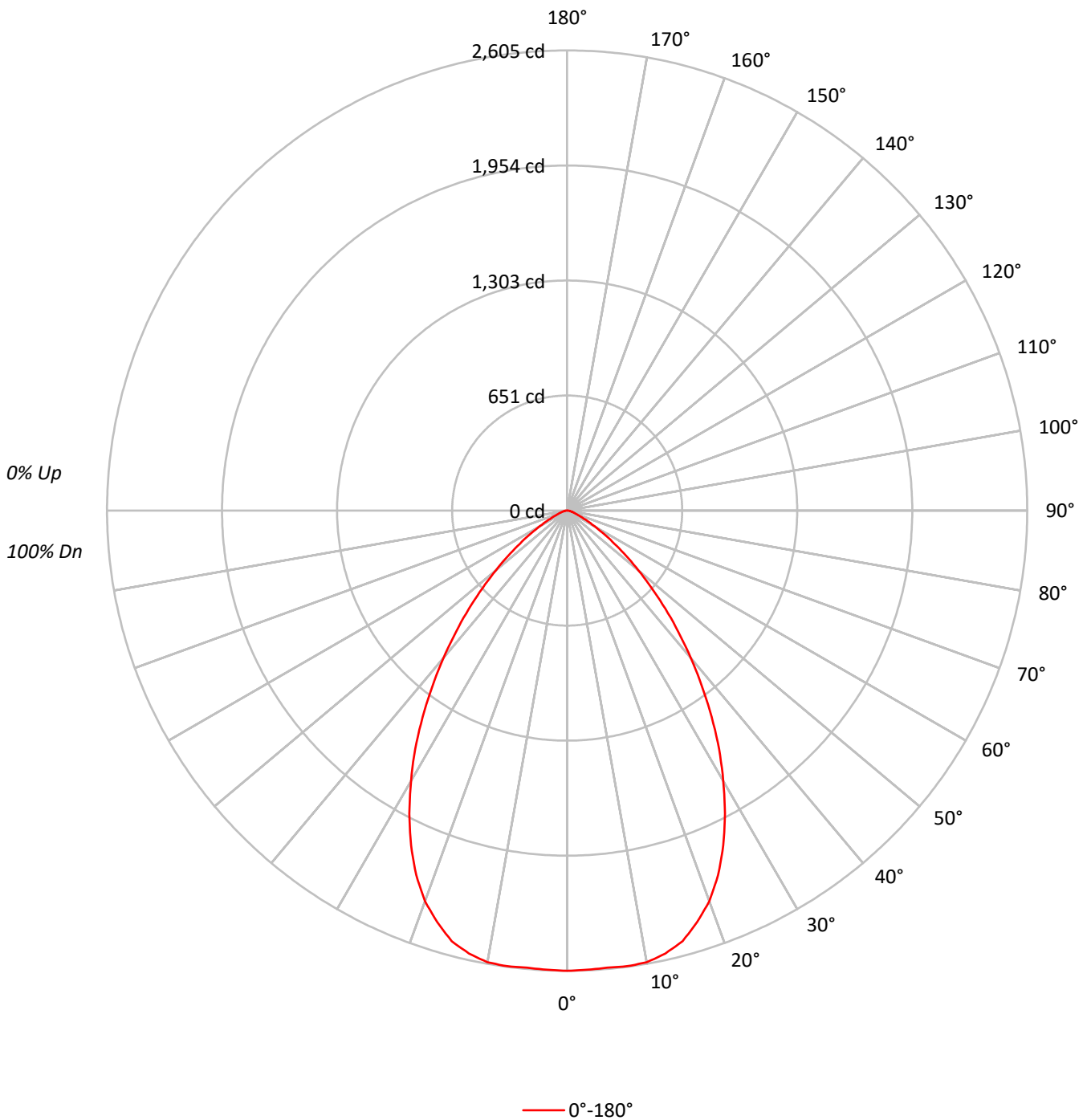
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
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	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

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

	0°
0°	186530
5°	186732
10°	188768
15°	187098
20°	179292
25°	165150
30°	146168
35°	124638
40°	101816
45°	79601
50°	58704
55°	40708
60°	25991
65°	15824
70°	10698
75°	8299
80°	7257
85°	10105



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.2	6.4
10°-20°	705.8	18.3
20°-30°	954.7	24.8
30°-40°	888.1	23.1
40°-50°	608.5	15.8
50°-60°	299.9	7.8
60°-70°	100.2	2.6
70°-80°	33.2	0.9
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°	1908.7	49.6
0°-40°	2796.7	72.6
0°-60°	3705.1	96.2
0°-90°	3850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3850.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2605	
5°	2598	248
15°	2524	706
25°	2090	955
35°	1426	888
45°	786	608
55°	326	300
65°	93	100
75°	30	33
85°	12	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2605.1
2.5°	2601.6
5°	2598.0
7.5°	2601.6
10°	2596.3
12.5°	2568.1
15°	2524.0
17.5°	2442.9
20°	2353.0
22.5°	2233.2
25°	2090.4
27.5°	1935.3
30°	1767.9
32.5°	1600.4
35°	1425.9
37.5°	1253.2
40°	1089.3
42.5°	930.6
45°	786.1
47.5°	648.6
50°	527.0
52.5°	421.3
55°	326.1
57.5°	248.5
60°	181.5
62.5°	130.4
65°	93.4
67.5°	67.0
70°	51.1
72.5°	38.8
75°	30.0
77.5°	22.9
80°	17.6
82.5°	14.1
85°	12.3
87.5°	7.1
90°	0.0

(END OF REPORT)