

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: P365674

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365674  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)  
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-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3110.0 lumens  
Efficiency: N/A  
Efficacy: 56.4 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

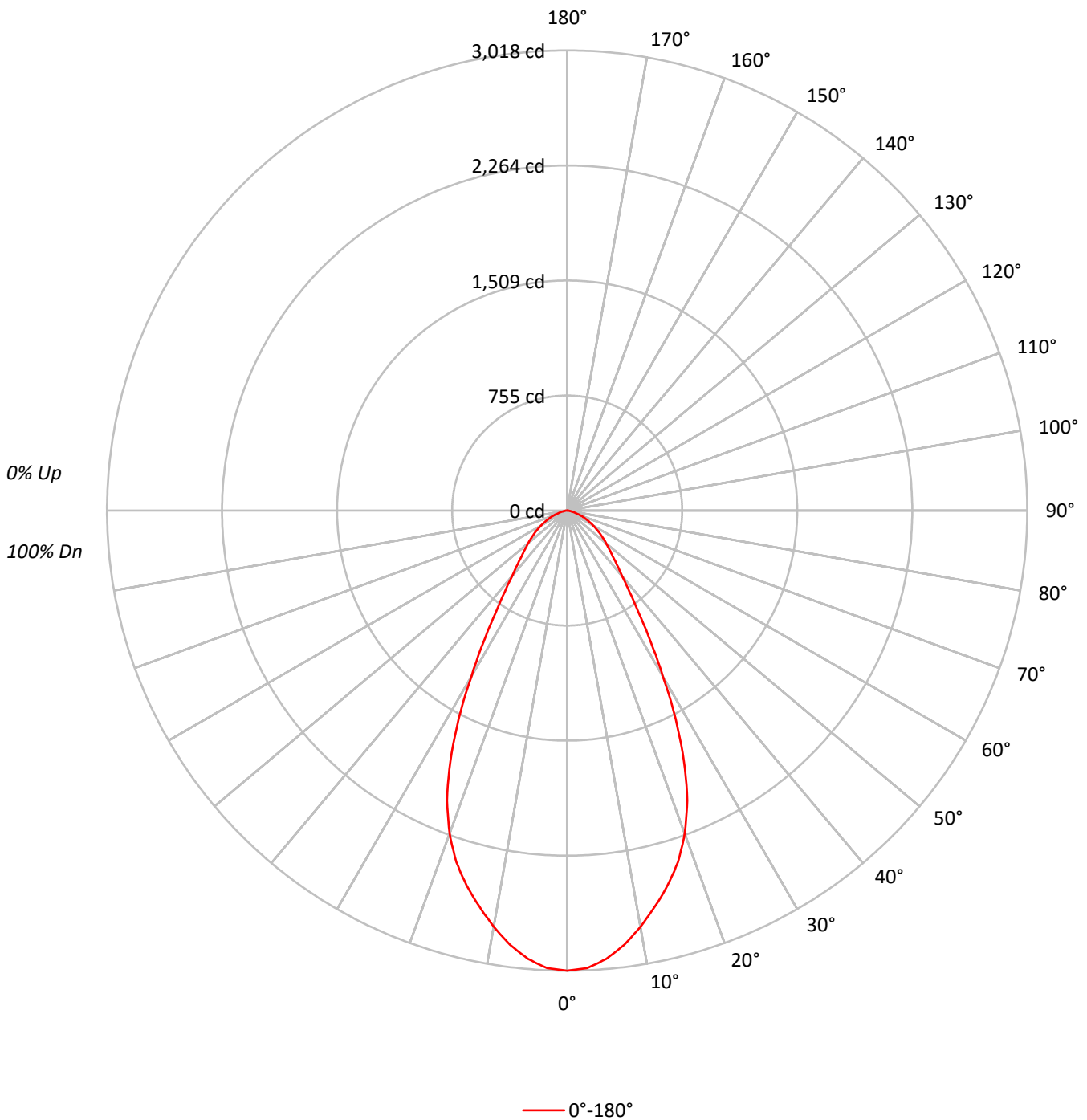
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	216102
5°	212111
10°	201484
15°	188699
20°	171802
25°	143313
30°	103919
35°	71501
40°	52567
45°	42661
50°	37116
55°	32794
60°	28526
65°	24194
70°	19553
75°	14137
80°	9443
85°	10105



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.9	8.9
10°-20°	711.0	22.9
20°-30°	815.9	26.2
30°-40°	528.1	17.0
40°-50°	331.8	10.7
50°-60°	236.1	7.6
60°-70°	142.4	4.6
70°-80°	56.6	1.8
80°-90°	12.2	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°	1802.9	58.0
0°-40°	2330.9	74.9
0°-60°	2898.8	93.2
0°-90°	3110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3110.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3018	
5°	2951	276
15°	2546	711
25°	1814	816
35°	818	528
45°	421	332
55°	263	236
65°	143	142
75°	51	57
85°	12	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3018.1
2.5°	3003.9
5°	2951.1
7.5°	2871.7
10°	2771.2
12.5°	2660.2
15°	2545.6
17.5°	2416.9
20°	2254.7
22.5°	2059.0
25°	1814.0
27.5°	1540.8
30°	1256.9
32.5°	1017.2
35°	818.0
37.5°	671.7
40°	562.4
42.5°	483.0
45°	421.3
47.5°	373.7
50°	333.2
52.5°	297.9
55°	262.7
57.5°	230.9
60°	199.2
62.5°	171.0
65°	142.8
67.5°	116.4
70°	93.4
72.5°	70.5
75°	51.1
77.5°	35.3
80°	22.9
82.5°	14.1
85°	12.3
87.5°	7.1
90°	0.0

(END OF REPORT)