

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: P364954

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3959.1 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

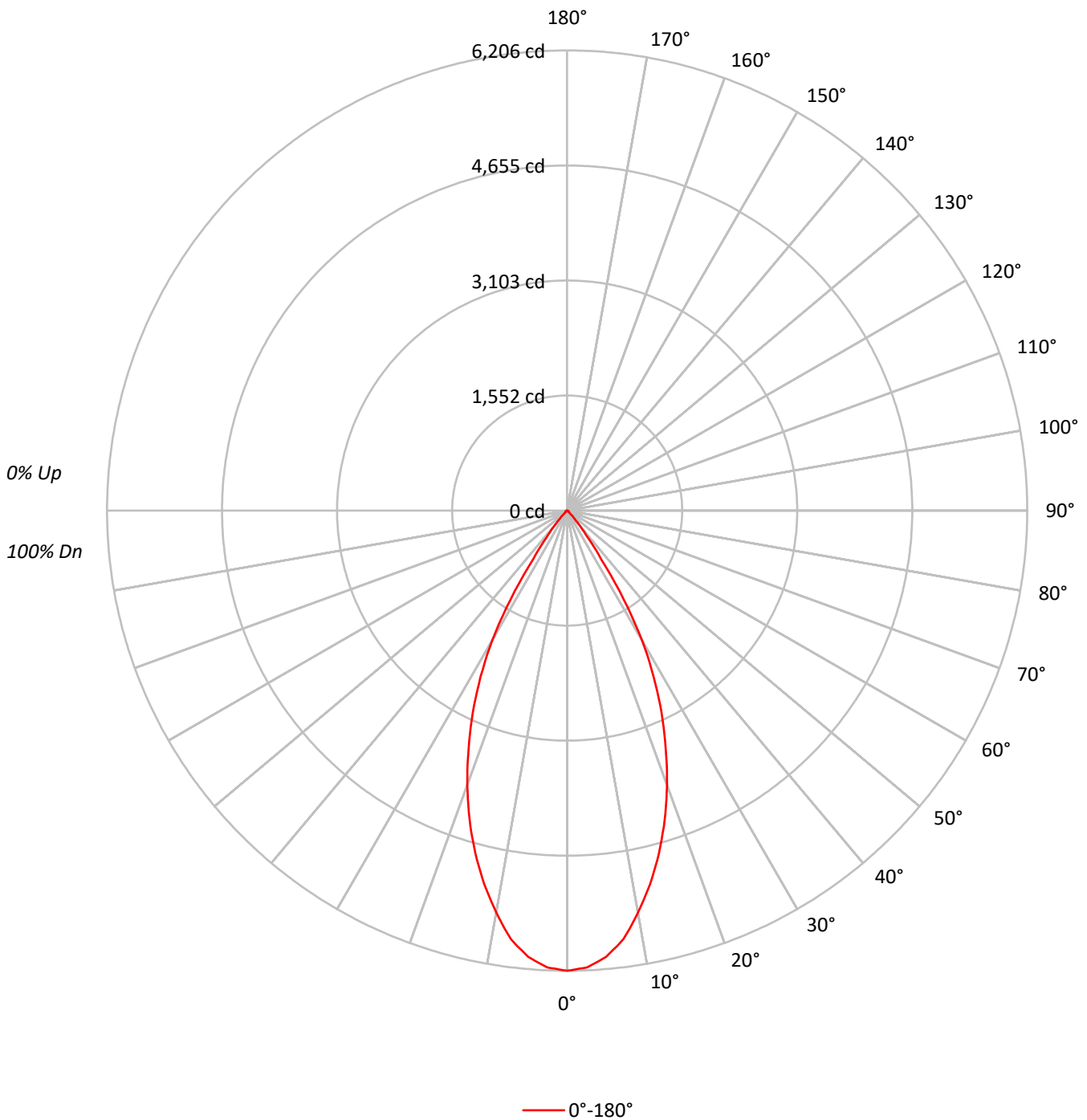
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94					94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89					89			
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83					83			
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78					78			
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74					74			
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70					70			
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66					66			
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63					63			
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60					60			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57					57			

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

	0°
0°	444347
5°	434221
10°	400307
15°	354553
20°	300178
25°	237818
30°	167127
35°	69604
40°	23881
45°	6379
50°	3509
55°	3283
60°	3007
65°	2965
70°	2931
75°	3403
80°	4330
85°	7230



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	559.9	14.1
10°-20°	1326.9	33.5
20°-30°	1362.2	34.4
30°-40°	576.8	14.6
40°-50°	70.9	1.8
50°-60°	23.5	0.6
60°-70°	17.4	0.4
70°-80°	13.4	0.3
80°-90°	8.1	0.2
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°	3249.0	82.1
0°-40°	3825.8	96.6
0°-60°	3920.2	99.0
0°-90°	3959.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3959.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6206	
5°	6041	560
15°	4783	1327
25°	3010	1362
35°	796	577
45°	63	71
55°	26	23
65°	18	17
75°	12	13
85°	9	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6205.8
2.5°	6165.6
5°	6041.3
7.5°	5827.8
10°	5505.8
12.5°	5162.8
15°	4783.0
17.5°	4375.2
20°	3939.5
22.5°	3475.7
25°	3010.2
27.5°	2528.9
30°	2021.4
32.5°	1424.6
35°	796.3
37.5°	456.8
40°	255.5
42.5°	134.8
45°	63.0
47.5°	36.8
50°	31.5
52.5°	28.0
55°	26.3
57.5°	24.5
60°	21.0
62.5°	19.3
65°	17.5
67.5°	15.8
70°	14.0
72.5°	14.0
75°	12.3
77.5°	12.3
80°	10.5
82.5°	10.5
85°	8.8
87.5°	5.3
90°	0.0

(END OF REPORT)