

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: P365680

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365680  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)  
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  
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4532.0 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

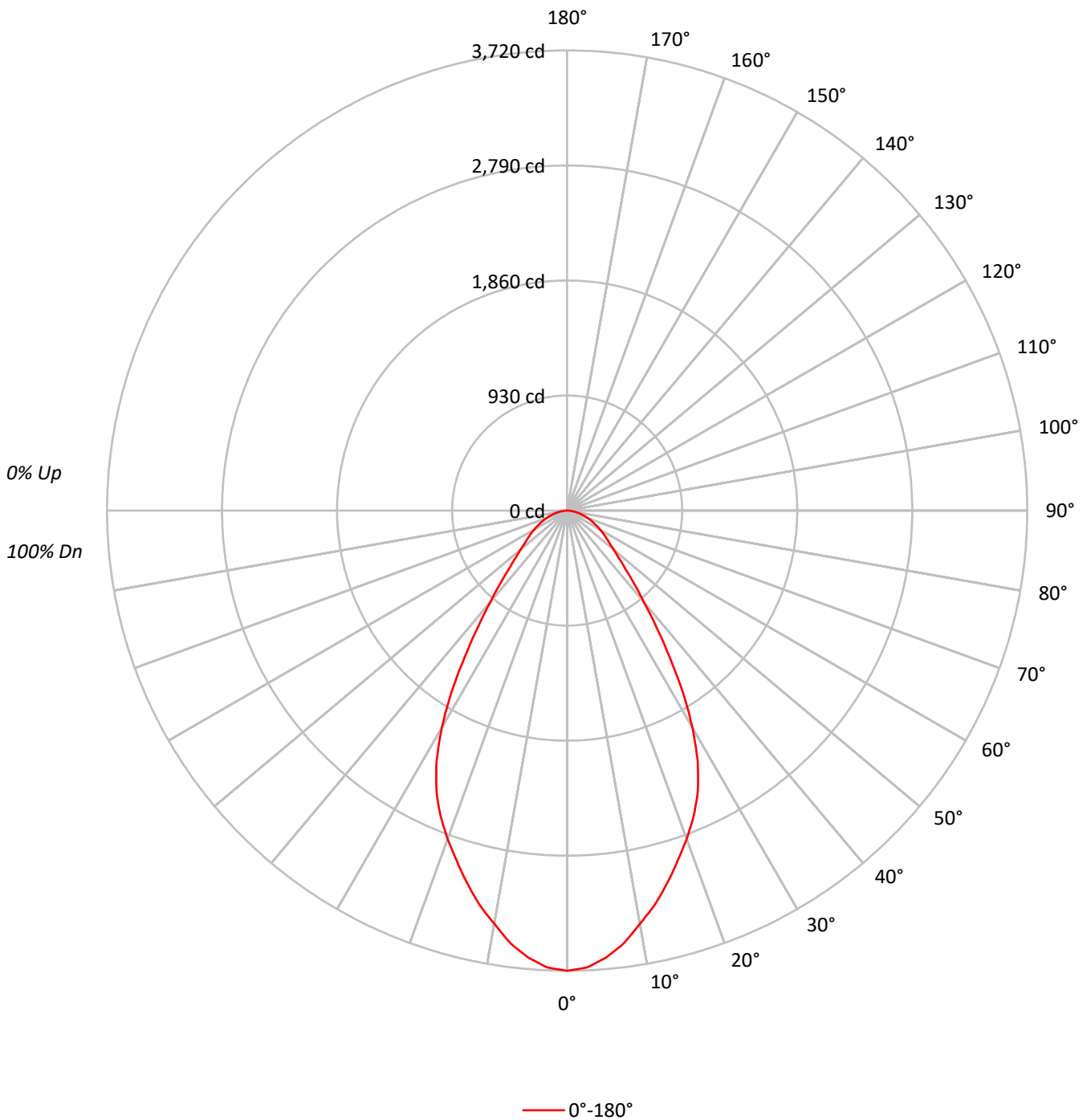
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80					80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71					71			
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64					64			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59					59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42					42			
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39					39			

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

	0°
0°	101626
5°	99434
10°	94074
15°	88244
20°	82098
25°	75360
30°	63861
35°	47968
40°	34420
45°	25747
50°	20750
55°	18411
60°	16733
65°	15331
70°	14032
75°	12855
80°	11452
85°	9434



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.8	7.5
10°-20°	874.9	19.3
20°-30°	1133.1	25.0
30°-40°	907.0	20.0
40°-50°	528.9	11.7
50°-60°	348.6	7.7
60°-70°	236.5	5.2
70°-80°	129.4	2.9
80°-90°	34.8	0.8
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°	2346.8	51.8
0°-40°	3253.7	71.8
0°-60°	4131.2	91.2
0°-90°	4532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4532.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3720	
5°	3626	339
15°	3120	875
25°	2500	1133
35°	1438	907
45°	666	529
55°	387	349
65°	237	237
75°	122	129
85°	30	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3720.5
2.5°	3696.7
5°	3626.4
7.5°	3526.0
10°	3391.7
12.5°	3266.1
15°	3120.5
17.5°	2968.6
20°	2824.3
22.5°	2673.7
25°	2500.4
27.5°	2285.8
30°	2024.7
32.5°	1742.3
35°	1438.5
37.5°	1183.7
40°	965.3
42.5°	799.6
45°	666.5
47.5°	564.9
50°	488.3
52.5°	430.5
55°	386.6
57.5°	346.4
60°	306.3
62.5°	271.1
65°	237.2
67.5°	207.1
70°	175.7
72.5°	148.1
75°	121.8
77.5°	96.7
80°	72.8
82.5°	50.2
85°	30.1
87.5°	11.3
90°	0.0

(END OF REPORT)