

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: P364913

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364913  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3526.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

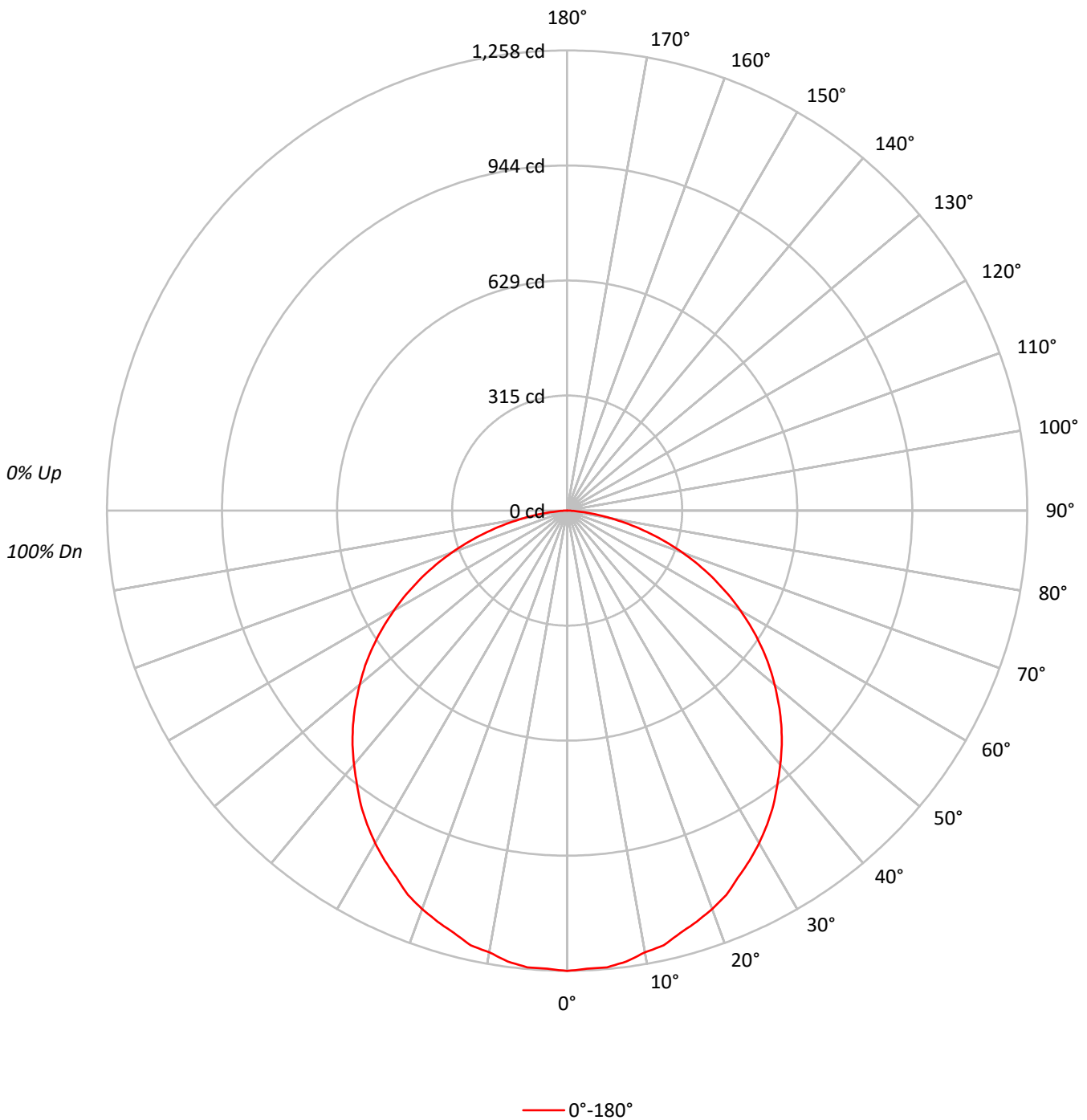
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	34376
5°	34368
10°	34005
15°	33802
20°	33699
25°	33343
30°	33115
35°	32786
40°	32316
45°	31970
50°	31463
55°	30864
60°	29894
65°	28626
70°	26763
75°	23820
80°	19097
85°	11784



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.7	3.4
10°-20°	338.0	9.6
20°-30°	510.8	14.5
30°-40°	614.3	17.4
40°-50°	638.0	18.1
50°-60°	578.4	16.4
60°-70°	437.9	12.4
70°-80°	239.1	6.8
80°-90°	50.9	1.4
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°	967.4	27.4
0°-40°	1581.7	44.9
0°-60°	2798.2	79.4
0°-90°	3526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1258	
5°	1253	119
15°	1195	338
25°	1106	511
35°	983	614
45°	828	638
55°	648	578
65°	443	438
75°	226	239
85°	38	51
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1258.5
2.5°	1253.4
5°	1253.4
7.5°	1243.1
10°	1226.0
12.5°	1217.5
15°	1195.3
17.5°	1178.2
20°	1159.3
22.5°	1137.1
25°	1106.3
27.5°	1079.0
30°	1049.9
32.5°	1017.4
35°	983.2
37.5°	943.9
40°	906.3
42.5°	868.7
45°	827.6
47.5°	784.9
50°	740.4
52.5°	695.9
55°	648.1
57.5°	598.5
60°	547.2
62.5°	495.9
65°	442.9
67.5°	389.9
70°	335.1
72.5°	280.4
75°	225.7
77.5°	172.7
80°	121.4
82.5°	76.9
85°	37.6
87.5°	12.0
90°	0.0

(END OF REPORT)