

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: P364949

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364949  
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-FEU6B35-8040-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: 3635.0 lumens  
Efficiency: N/A  
Efficacy: 66.0 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

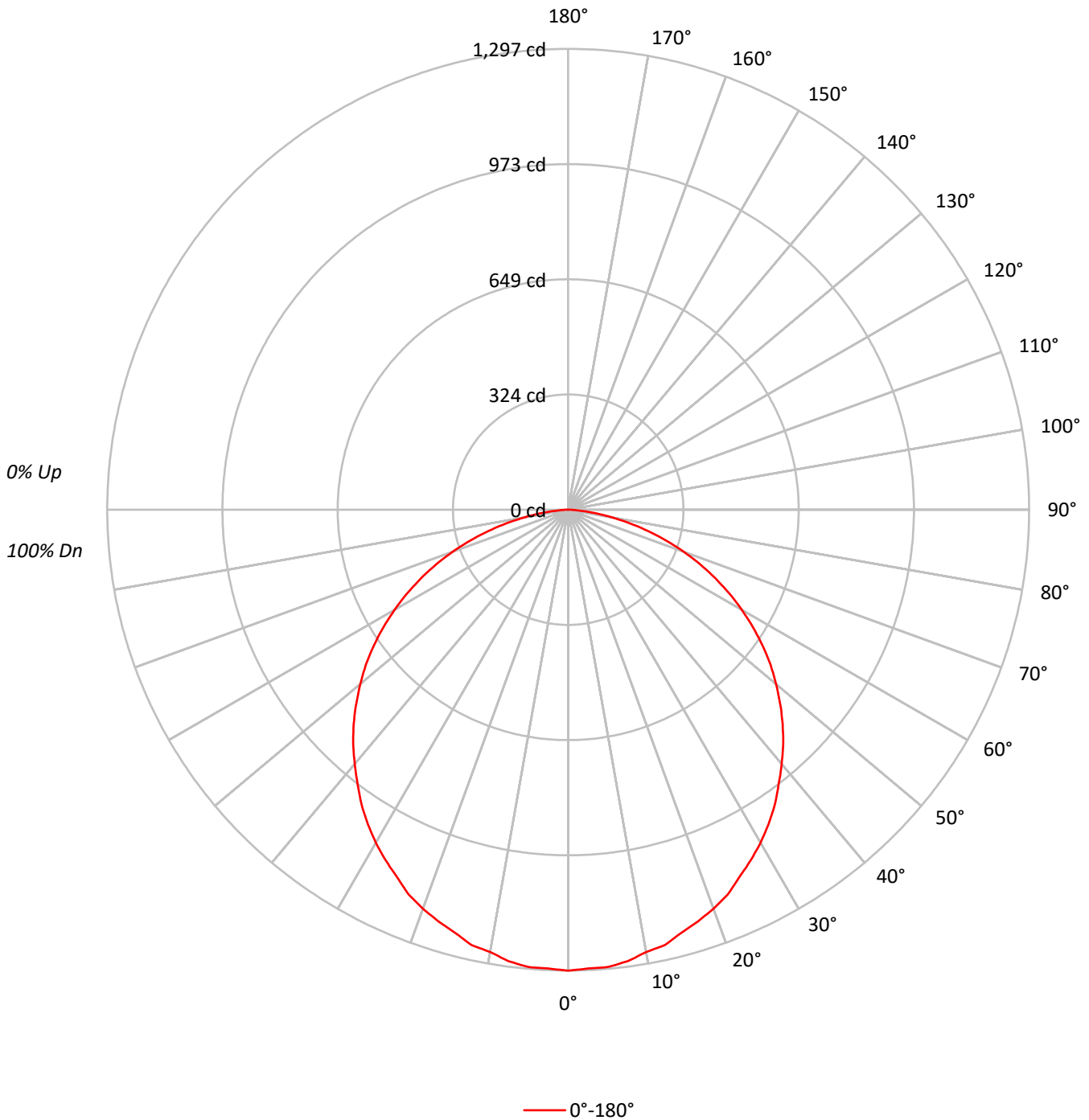
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	35439
5°	35429
10°	35056
15°	34845
20°	34742
25°	34374
30°	34140
35°	33799
40°	33315
45°	32959
50°	32436
55°	31817
60°	30817
65°	29512
70°	27593
75°	24559
80°	19694
85°	12160



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.4	3.4
10°-20°	348.4	9.6
20°-30°	526.6	14.5
30°-40°	633.3	17.4
40°-50°	657.7	18.1
50°-60°	596.3	16.4
60°-70°	451.4	12.4
70°-80°	246.5	6.8
80°-90°	52.5	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°	997.4	27.4
0°-40°	1630.6	44.9
0°-60°	2884.7	79.4
0°-90°	3635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3635.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1297	
5°	1292	122
15°	1232	348
25°	1140	527
35°	1014	633
45°	853	658
55°	668	596
65°	457	451
75°	233	246
85°	39	52
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1297.4
2.5°	1292.1
5°	1292.1
7.5°	1281.6
10°	1263.9
12.5°	1255.1
15°	1232.2
17.5°	1214.6
20°	1195.2
22.5°	1172.3
25°	1140.5
27.5°	1112.3
30°	1082.4
32.5°	1048.9
35°	1013.6
37.5°	973.1
40°	934.3
42.5°	895.5
45°	853.2
47.5°	809.1
50°	763.3
52.5°	717.5
55°	668.1
57.5°	617.0
60°	564.1
62.5°	511.2
65°	456.6
67.5°	401.9
70°	345.5
72.5°	289.1
75°	232.7
77.5°	178.0
80°	125.2
82.5°	79.3
85°	38.8
87.5°	12.3
90°	0.0

(END OF REPORT)