

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: P365022

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4719.1 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

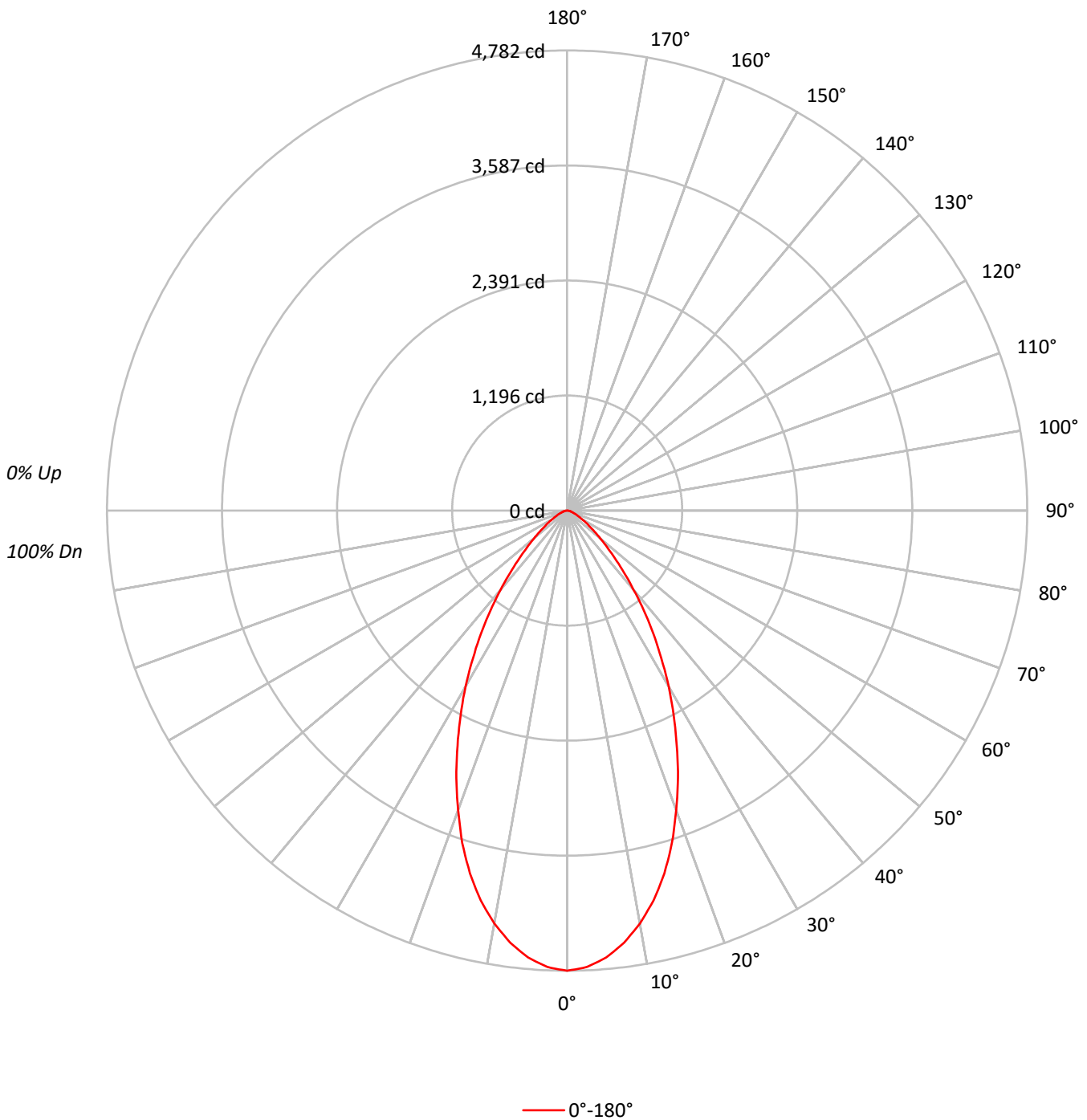
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44

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

	0°
0°	342407
5°	335076
10°	316731
15°	289239
20°	252289
25°	212971
30°	174526
35°	136429
40°	100555
45°	70771
50°	49937
55°	35353
60°	25089
65°	18637
70°	14508
75°	11841
80°	10927
85°	11748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.3	9.2
10°-20°	1083.8	23.0
20°-30°	1234.8	26.2
30°-40°	974.6	20.7
40°-50°	553.9	11.7
50°-60°	261.4	5.5
60°-70°	113.1	2.4
70°-80°	47.0	1.0
80°-90°	15.3	0.3
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°	2753.8	58.4
0°-40°	3728.4	79.0
0°-60°	4543.7	96.3
0°-90°	4719.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4719.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4782	
5°	4662	435
15°	3902	1084
25°	2696	1235
35°	1561	975
45°	699	554
55°	283	261
65°	110	113
75°	43	47
85°	14	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4782.1
2.5°	4747.5
5°	4661.9
7.5°	4529.5
10°	4356.3
12.5°	4148.4
15°	3901.9
17.5°	3622.8
20°	3311.0
22.5°	3009.5
25°	2695.7
27.5°	2396.2
30°	2110.9
32.5°	1821.6
35°	1560.8
37.5°	1310.1
40°	1075.8
42.5°	876.1
45°	698.9
47.5°	558.3
50°	448.3
52.5°	356.6
55°	283.2
57.5°	224.1
60°	175.2
62.5°	138.6
65°	110.0
67.5°	87.6
70°	69.3
72.5°	55.0
75°	42.8
77.5°	32.6
80°	26.5
82.5°	20.4
85°	14.3
87.5°	8.2
90°	0.0

(END OF REPORT)