

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: P365044

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365044  
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: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4624.0 lumens  
Efficiency: N/A  
Efficacy: 79.6 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

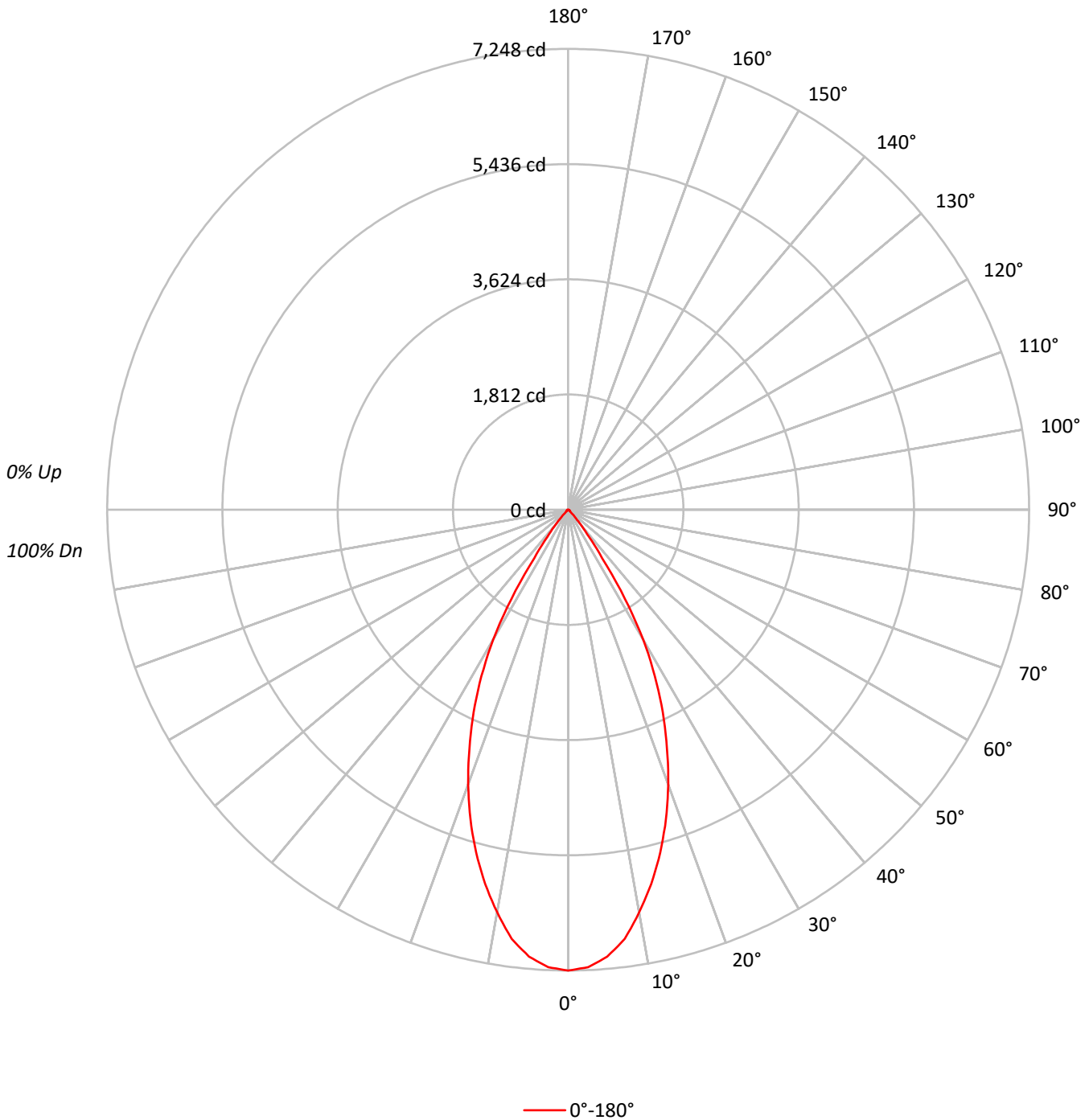
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	518985
5°	507160
10°	467546
15°	414107
20°	350598
25°	277762
30°	195196
35°	81291
40°	27891
45°	7453
50°	4099
55°	3832
60°	3508
65°	3456
70°	3433
75°	3956
80°	5072
85°	8380



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	653.9	14.1
10°-20°	1549.8	33.5
20°-30°	1591.0	34.4
30°-40°	673.7	14.6
40°-50°	82.8	1.8
50°-60°	27.4	0.6
60°-70°	20.2	0.4
70°-80°	15.7	0.3
80°-90°	9.5	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°	3794.7	82.1
0°-40°	4468.4	96.6
0°-60°	4578.6	99.0
0°-90°	4624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4624.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7248	
5°	7056	654
15°	5586	1550
25°	3516	1591
35°	930	674
45°	74	83
55°	31	27
65°	20	20
75°	14	16
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7248.2
2.5°	7201.2
5°	7056.1
7.5°	6806.7
10°	6430.6
12.5°	6030.0
15°	5586.4
17.5°	5110.1
20°	4601.2
22.5°	4059.5
25°	3515.8
27.5°	2953.7
30°	2360.9
32.5°	1663.9
35°	930.0
37.5°	533.5
40°	298.4
42.5°	157.4
45°	73.6
47.5°	42.9
50°	36.8
52.5°	32.7
55°	30.7
57.5°	28.6
60°	24.5
62.5°	22.5
65°	20.4
67.5°	18.4
70°	16.4
72.5°	16.4
75°	14.3
77.5°	14.3
80°	12.3
82.5°	12.3
85°	10.2
87.5°	6.1
90°	0.0

(END OF REPORT)