

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: P365135

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365135  
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: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5262.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 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

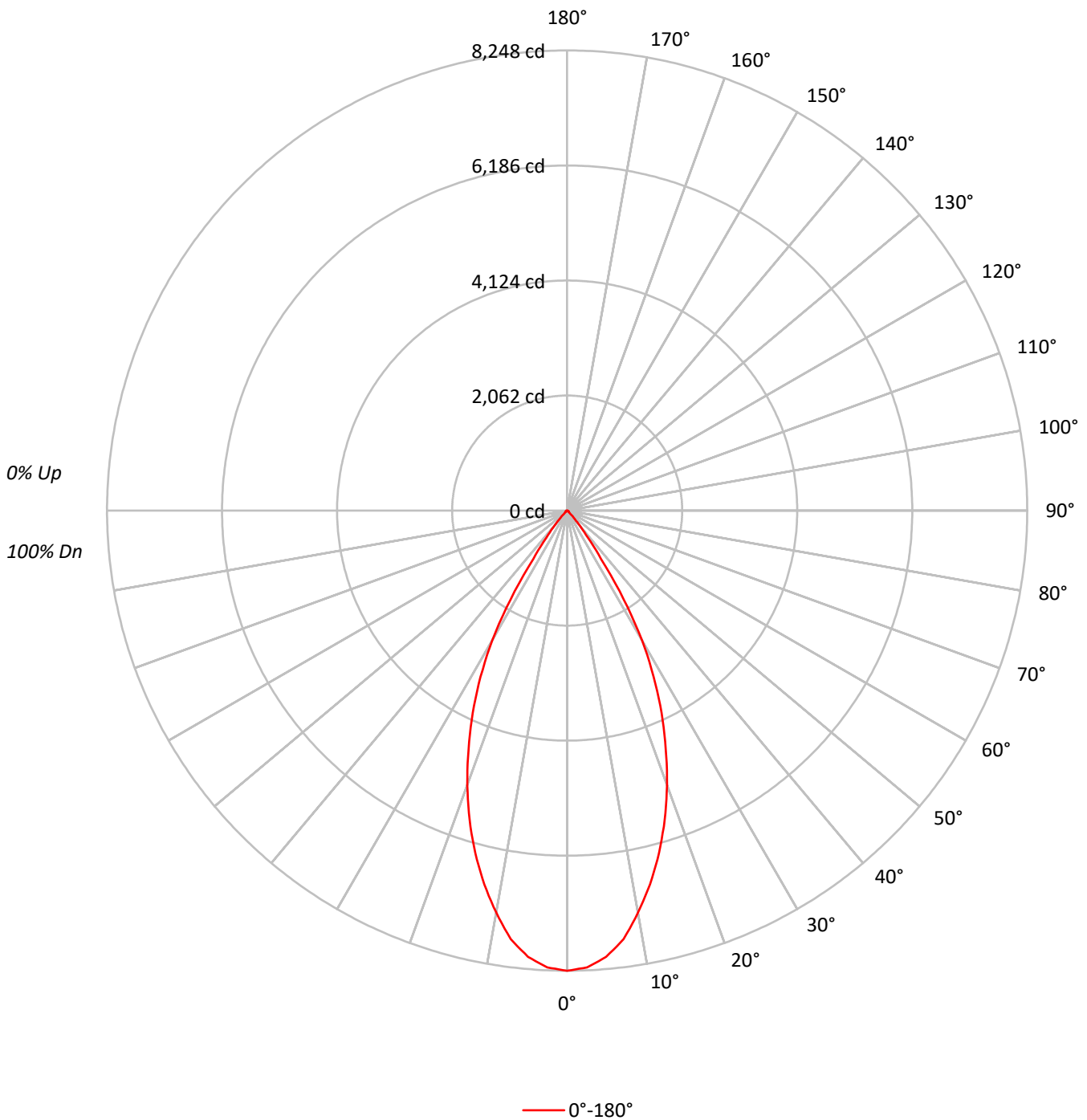
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	590594
5°	577130
10°	532058
15°	471245
20°	398968
25°	316087
30°	222125
35°	92514
40°	31742
45°	8475
50°	4667
55°	4357
60°	3995
65°	3948
70°	3894
75°	4509
80°	5773
85°	9530



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	744.1	14.1
10°-20°	1763.6	33.5
20°-30°	1810.5	34.4
30°-40°	766.7	14.6
40°-50°	94.3	1.8
50°-60°	31.2	0.6
60°-70°	23.0	0.4
70°-80°	17.8	0.3
80°-90°	10.8	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°	4318.3	82.1
0°-40°	5084.9	96.6
0°-60°	5210.4	99.0
0°-90°	5262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5262.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8248	
5°	8030	744
15°	6357	1764
25°	4001	1811
35°	1058	767
45°	84	94
55°	35	31
65°	23	23
75°	16	18
85°	12	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8248.3
2.5°	8194.8
5°	8029.6
7.5°	7745.9
10°	7317.9
12.5°	6862.0
15°	6357.2
17.5°	5815.2
20°	5236.0
22.5°	4619.6
25°	4000.9
27.5°	3361.2
30°	2686.6
32.5°	1893.4
35°	1058.4
37.5°	607.1
40°	339.6
42.5°	179.1
45°	83.7
47.5°	48.8
50°	41.9
52.5°	37.2
55°	34.9
57.5°	32.6
60°	27.9
62.5°	25.6
65°	23.3
67.5°	20.9
70°	18.6
72.5°	18.6
75°	16.3
77.5°	16.3
80°	14.0
82.5°	14.0
85°	11.6
87.5°	7.0
90°	0.0

(END OF REPORT)