

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: P365746

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)  
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-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3595.1 lumens  
Efficiency: N/A  
Efficacy: 61.9 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

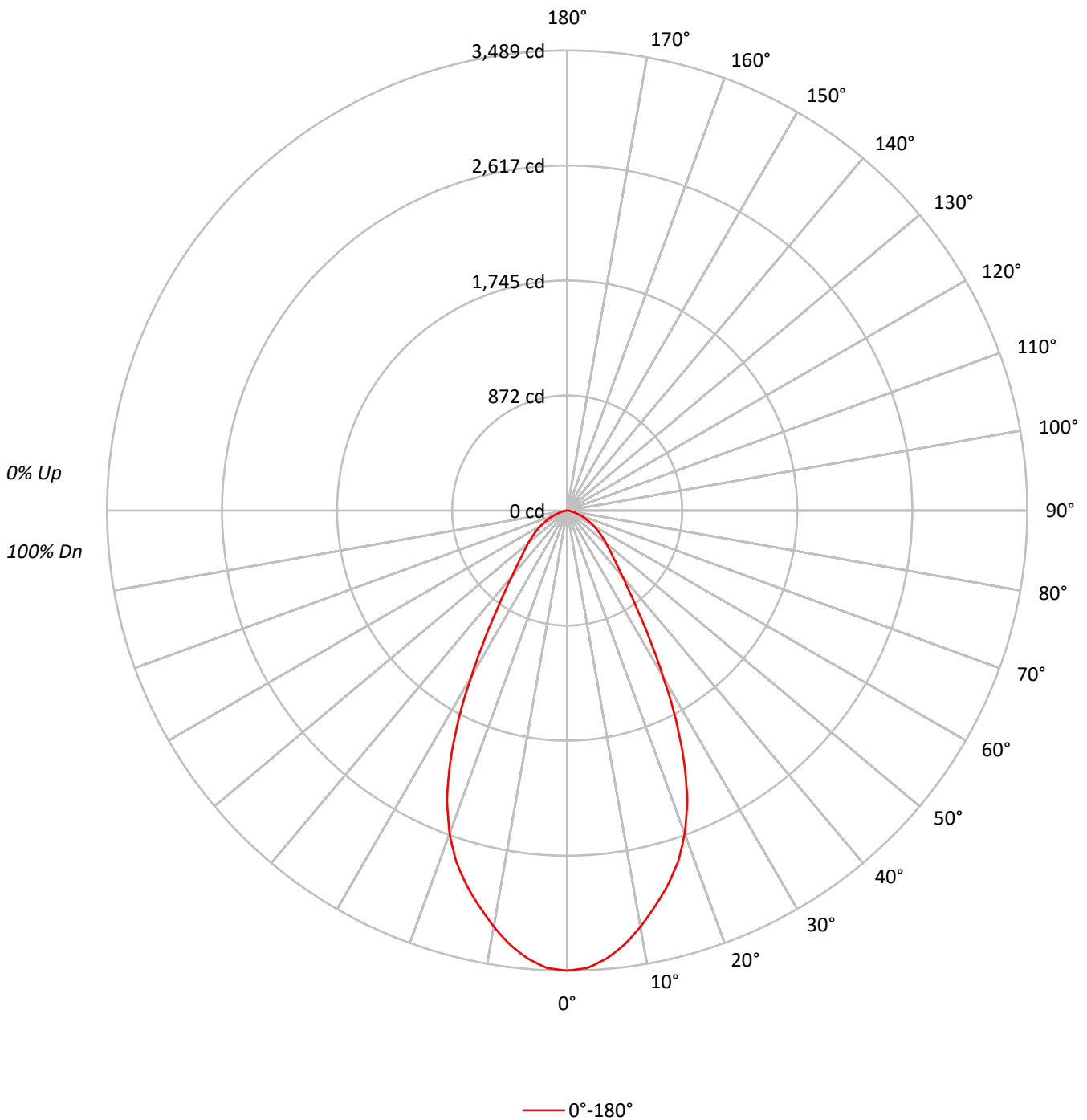
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	249797
5°	245188
10°	232908
15°	218128
20°	198593
25°	165663
30°	120132
35°	82646
40°	60765
45°	49314
50°	42897
55°	37900
60°	32980
65°	27972
70°	22610
75°	16350
80°	10927
85°	11748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.0	8.9
10°-20°	821.9	22.9
20°-30°	943.2	26.2
30°-40°	610.4	17.0
40°-50°	383.5	10.7
50°-60°	272.9	7.6
60°-70°	164.6	4.6
70°-80°	65.4	1.8
80°-90°	14.2	0.4
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°	2084.0	58.0
0°-40°	2694.4	74.9
0°-60°	3350.8	93.2
0°-90°	3595.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3595.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3489	
5°	3411	319
15°	2943	822
25°	2097	943
35°	946	610
45°	487	384
55°	304	273
65°	165	165
75°	59	65
85°	14	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3488.7
2.5°	3472.4
5°	3411.3
7.5°	3319.6
10°	3203.4
12.5°	3075.0
15°	2942.6
17.5°	2793.8
20°	2606.3
22.5°	2380.2
25°	2096.9
27.5°	1781.0
30°	1453.0
32.5°	1175.8
35°	945.5
37.5°	776.4
40°	650.1
42.5°	558.4
45°	487.0
47.5°	432.0
50°	385.1
52.5°	344.4
55°	303.6
57.5°	267.0
60°	230.3
62.5°	197.7
65°	165.1
67.5°	134.5
70°	108.0
72.5°	81.5
75°	59.1
77.5°	40.8
80°	26.5
82.5°	16.3
85°	14.3
87.5°	8.2
90°	0.0

(END OF REPORT)