

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: P365736

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)  
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-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4675.1 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

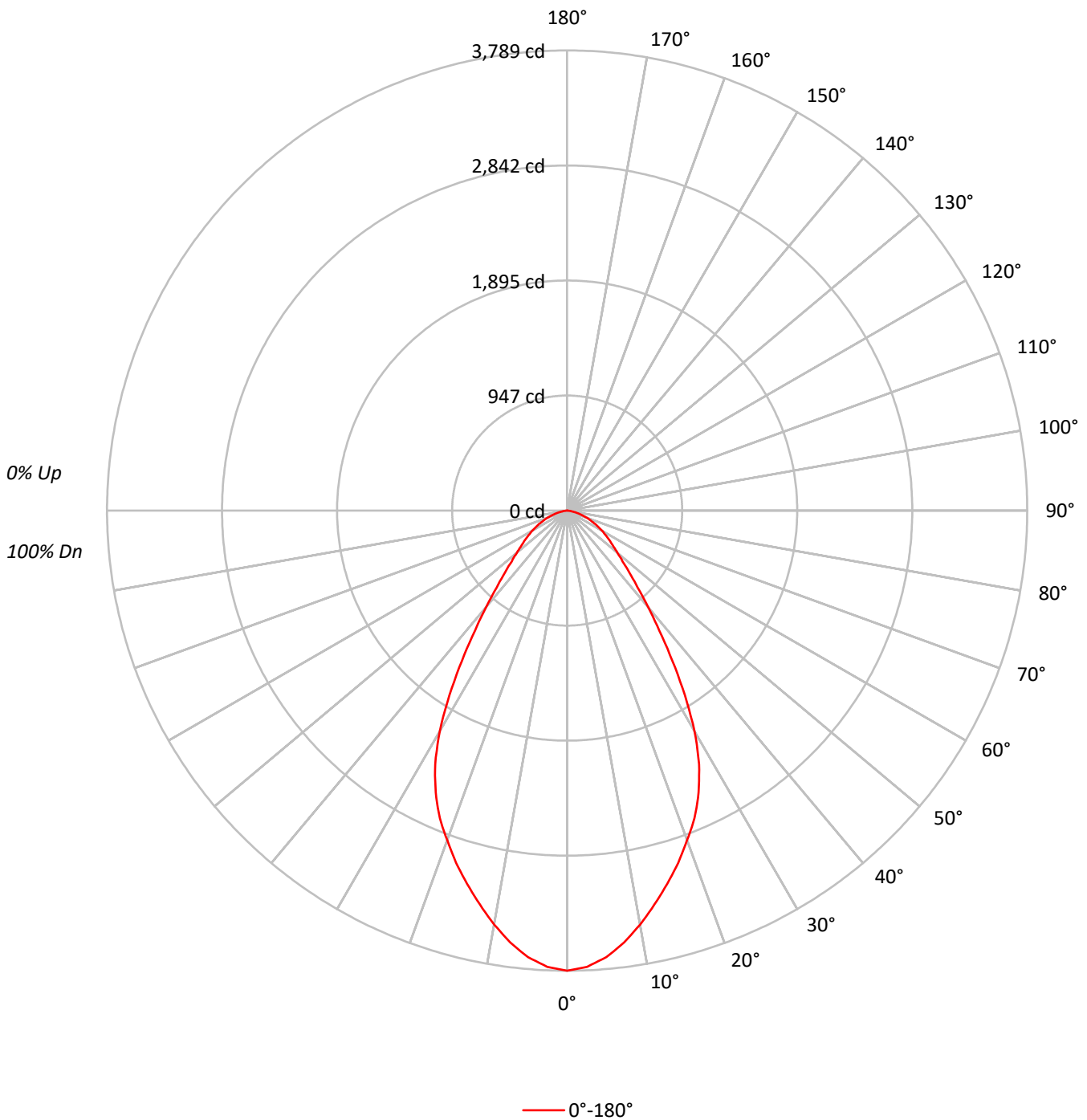
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	103492
5°	101206
10°	95985
15°	89966
20°	83946
25°	77213
30°	66148
35°	50359
40°	36991
45°	28030
50°	22952
55°	20187
60°	18039
65°	15809
70°	13513
75°	10543
80°	7047
85°	3197



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.9	7.4
10°-20°	893.1	19.1
20°-30°	1163.9	24.9
30°-40°	948.9	20.3
40°-50°	574.5	12.3
50°-60°	381.5	8.2
60°-70°	244.0	5.2
70°-80°	108.1	2.3
80°-90°	16.1	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°	2401.9	51.4
0°-40°	3350.8	71.7
0°-60°	4306.8	92.1
0°-90°	4675.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4675.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3789	
5°	3691	345
15°	3181	893
25°	2562	1164
35°	1510	949
45°	726	574
55°	424	382
65°	245	244
75°	100	108
85°	10	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3788.8
2.5°	3760.2
5°	3691.0
7.5°	3587.0
10°	3460.6
12.5°	3322.1
15°	3181.4
17.5°	3040.8
20°	2887.9
22.5°	2741.2
25°	2561.9
27.5°	2354.0
30°	2097.2
32.5°	1803.7
35°	1510.2
37.5°	1245.3
40°	1037.4
42.5°	860.1
45°	725.6
47.5°	619.6
50°	540.1
52.5°	474.9
55°	423.9
57.5°	375.0
60°	330.2
62.5°	287.4
65°	244.6
67.5°	205.8
70°	169.2
72.5°	132.5
75°	99.9
77.5°	71.3
80°	44.8
82.5°	24.5
85°	10.2
87.5°	2.0
90°	0.0

(END OF REPORT)