

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: P365788

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365788  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW  
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5423.0 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

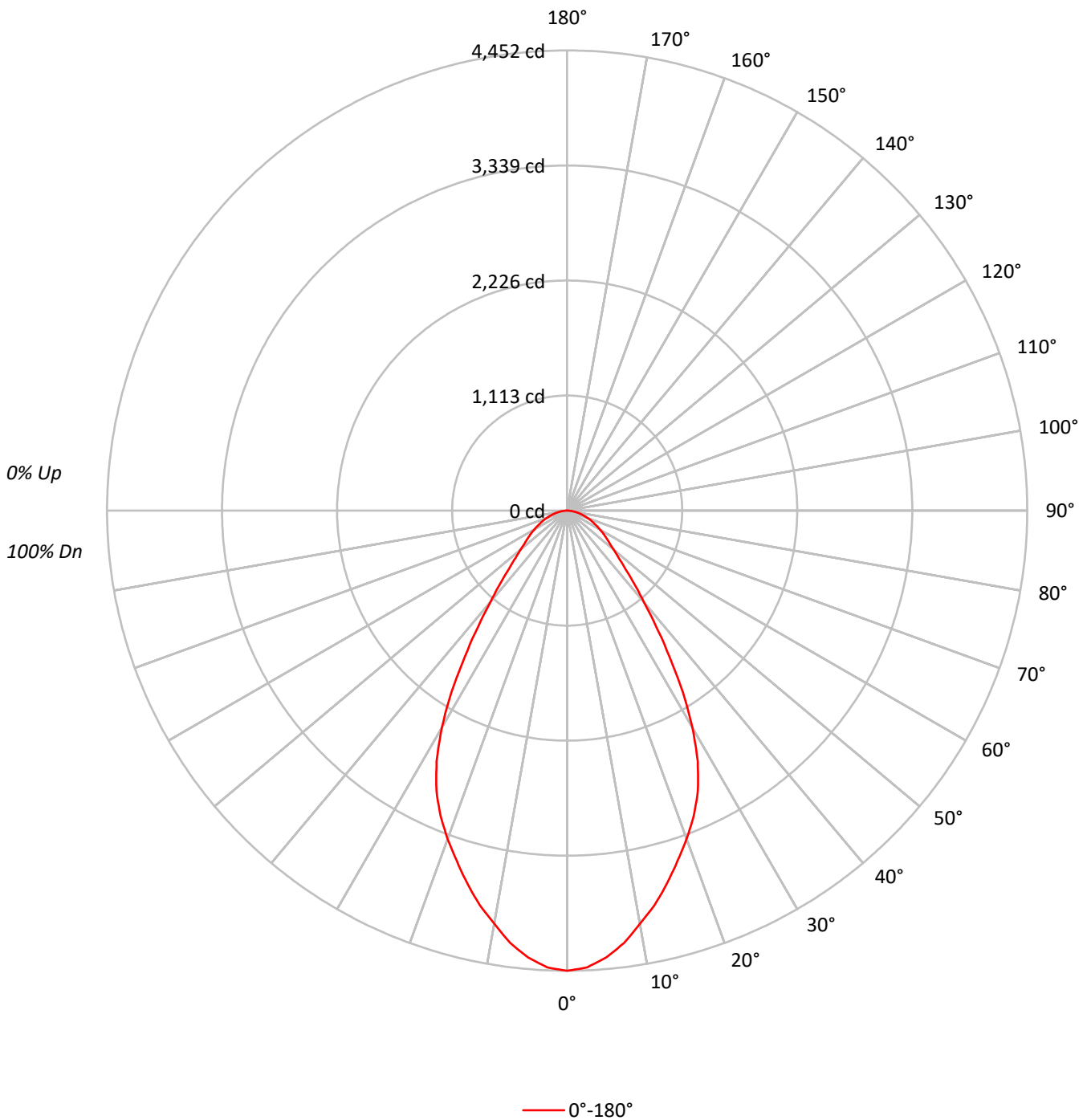
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		89	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	59
6	80	69	62	57	78	68	61	56	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	63	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	121608
5°	118982
10°	112569
15°	105593
20°	98236
25°	90176
30°	76417
35°	57398
40°	41188
45°	30811
50°	24830
55°	22030
60°	20022
65°	18349
70°	16796
75°	15377
80°	13701
85°	11283



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.4	7.5
10°-20°	1046.9	19.3
20°-30°	1355.9	25.0
30°-40°	1085.3	20.0
40°-50°	632.9	11.7
50°-60°	417.1	7.7
60°-70°	283.0	5.2
70°-80°	154.9	2.9
80°-90°	41.7	0.8
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°	2808.2	51.8
0°-40°	3893.4	71.8
0°-60°	4943.5	91.2
0°-90°	5423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5423.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4452	
5°	4339	405
15°	3734	1047
25°	2992	1356
35°	1721	1085
45°	798	633
55°	463	417
65°	284	283
75°	146	155
85°	36	42
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4452.0
2.5°	4423.5
5°	4339.3
7.5°	4219.2
10°	4058.5
12.5°	3908.3
15°	3734.0
17.5°	3552.3
20°	3379.5
22.5°	3199.3
25°	2992.0
27.5°	2735.2
30°	2422.8
32.5°	2084.8
35°	1721.3
37.5°	1416.4
40°	1155.1
42.5°	956.8
45°	797.6
47.5°	675.9
50°	584.3
52.5°	515.2
55°	462.6
57.5°	414.6
60°	366.5
62.5°	324.4
65°	283.9
67.5°	247.8
70°	210.3
72.5°	177.2
75°	145.7
77.5°	115.7
80°	87.1
82.5°	60.1
85°	36.0
87.5°	13.5
90°	0.0

(END OF REPORT)