

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: P365041

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)  
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-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4541.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

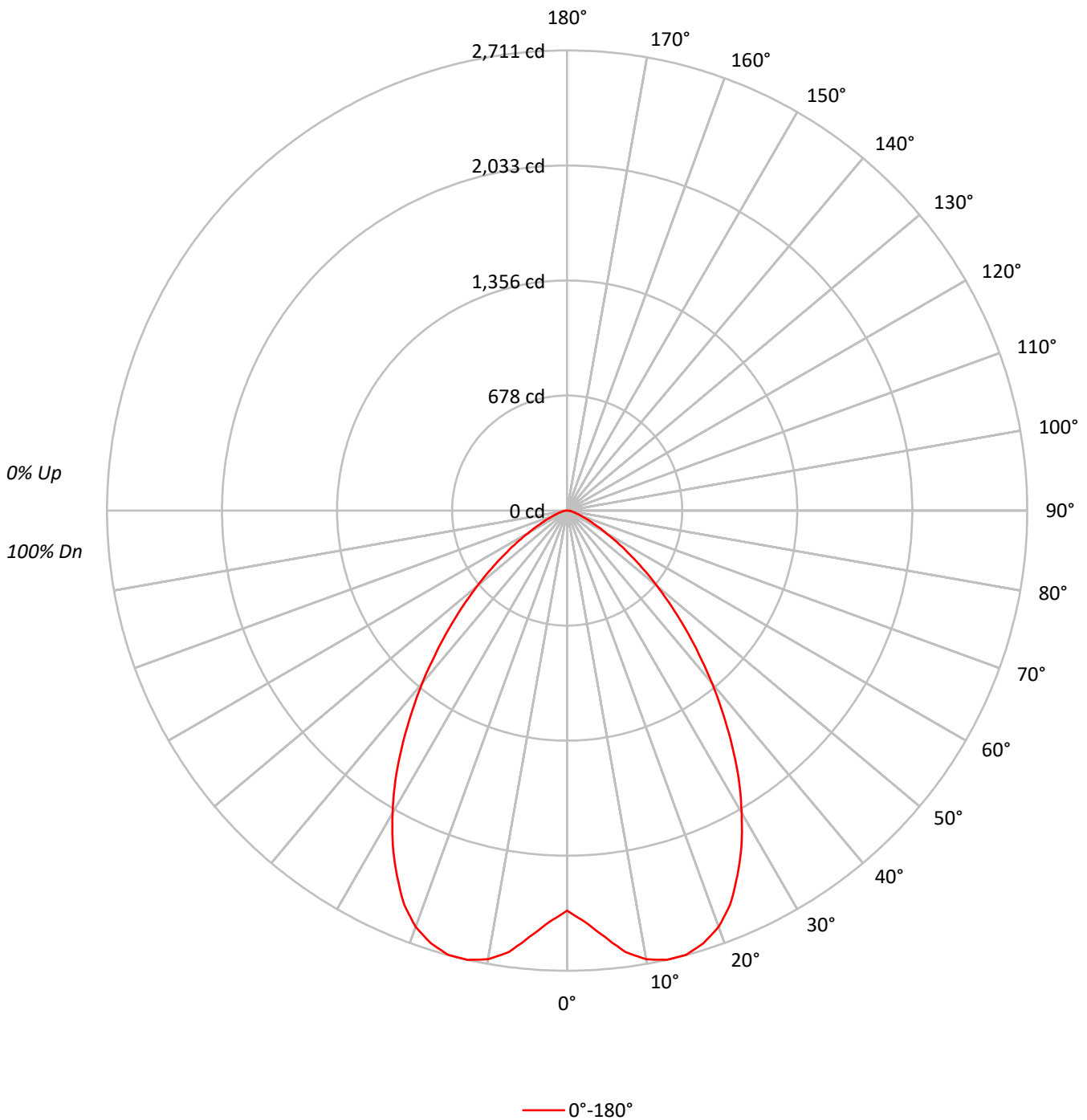
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		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	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	168766
5°	181104
10°	195166
15°	200812
20°	198890
25°	187516
30°	170029
35°	148264
40°	124296
45°	100055
50°	77050
55°	56026
60°	38035
65°	25109
70°	16371
75°	12532
80°	11051
85°	13555



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.0	5.4
10°-20°	760.0	16.7
20°-30°	1085.2	23.9
30°-40°	1055.7	23.2
40°-50°	763.7	16.8
50°-60°	409.4	9.0
60°-70°	154.4	3.4
70°-80°	50.7	1.1
80°-90°	16.0	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°	2091.2	46.1
0°-40°	3146.9	69.3
0°-60°	4320.0	95.1
0°-90°	4541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4541.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2357	
5°	2520	246
15°	2709	760
25°	2374	1085
35°	1696	1056
45°	988	764
55°	449	409
65°	148	154
75°	45	51
85°	16	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2357.0
2.5°	2425.0
5°	2519.7
7.5°	2622.6
10°	2684.3
12.5°	2711.1
15°	2709.0
17.5°	2672.0
20°	2610.2
22.5°	2511.4
25°	2373.5
27.5°	2225.3
30°	2056.5
32.5°	1883.6
35°	1696.2
37.5°	1506.9
40°	1329.8
42.5°	1148.7
45°	988.1
47.5°	831.7
50°	691.7
52.5°	562.0
55°	448.8
57.5°	352.0
60°	265.6
62.5°	199.7
65°	148.2
67.5°	107.0
70°	78.2
72.5°	59.7
75°	45.3
77.5°	35.0
80°	26.8
82.5°	20.6
85°	16.5
87.5°	8.2
90°	0.0

(END OF REPORT)