

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: P365059

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365059
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-FEU6B67-8050-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: 4651.0 lumens
Efficiency: N/A
Efficacy: 80.1 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

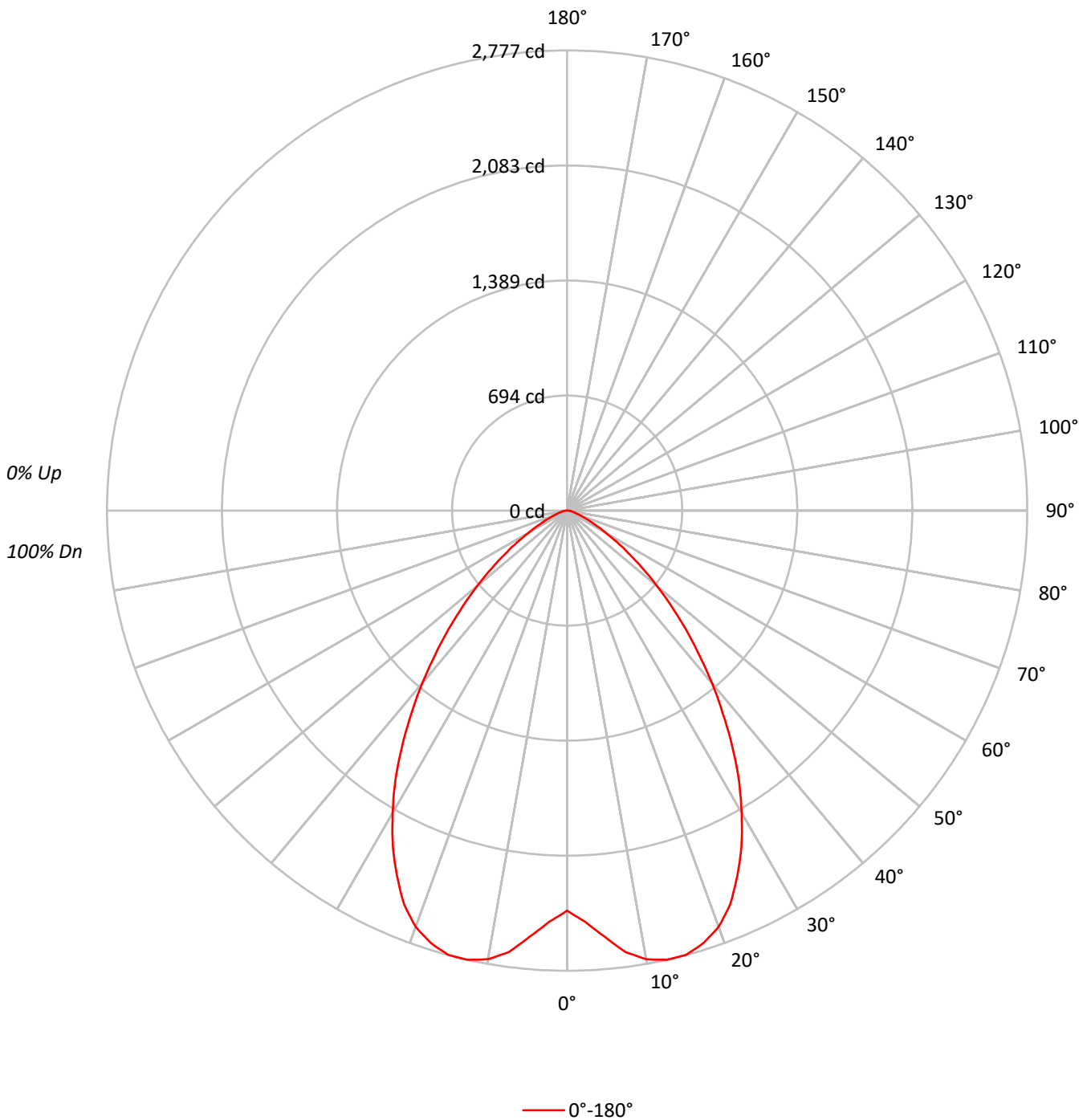
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	172854
5°	185489
10°	199899
15°	205682
20°	203713
25°	192058
30°	174146
35°	151857
40°	127306
45°	102475
50°	78911
55°	57374
60°	38951
65°	25719
70°	16769
75°	12836
80°	11298
85°	13884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.0	5.4
10°-20°	778.4	16.7
20°-30°	1111.5	23.9
30°-40°	1081.3	23.2
40°-50°	782.2	16.8
50°-60°	419.3	9.0
60°-70°	158.1	3.4
70°-80°	51.9	1.1
80°-90°	16.4	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°	2141.8	46.1
0°-40°	3223.2	69.3
0°-60°	4424.6	95.1
0°-90°	4651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4651.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2414	
5°	2581	252
15°	2775	778
25°	2431	1111
35°	1737	1081
45°	1012	782
55°	460	419
65°	152	158
75°	46	52
85°	17	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2414.1
2.5°	2483.7
5°	2580.7
7.5°	2686.1
10°	2749.4
12.5°	2776.8
15°	2774.7
17.5°	2736.7
20°	2673.5
22.5°	2572.3
25°	2431.0
27.5°	2279.2
30°	2106.3
32.5°	1929.2
35°	1737.3
37.5°	1543.4
40°	1362.0
42.5°	1176.5
45°	1012.0
47.5°	851.8
50°	708.4
52.5°	575.6
55°	459.6
57.5°	360.5
60°	272.0
62.5°	204.5
65°	151.8
67.5°	109.6
70°	80.1
72.5°	61.1
75°	46.4
77.5°	35.8
80°	27.4
82.5°	21.1
85°	16.9
87.5°	8.4
90°	0.0

(END OF REPORT)