

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: P366499

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
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-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4522.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

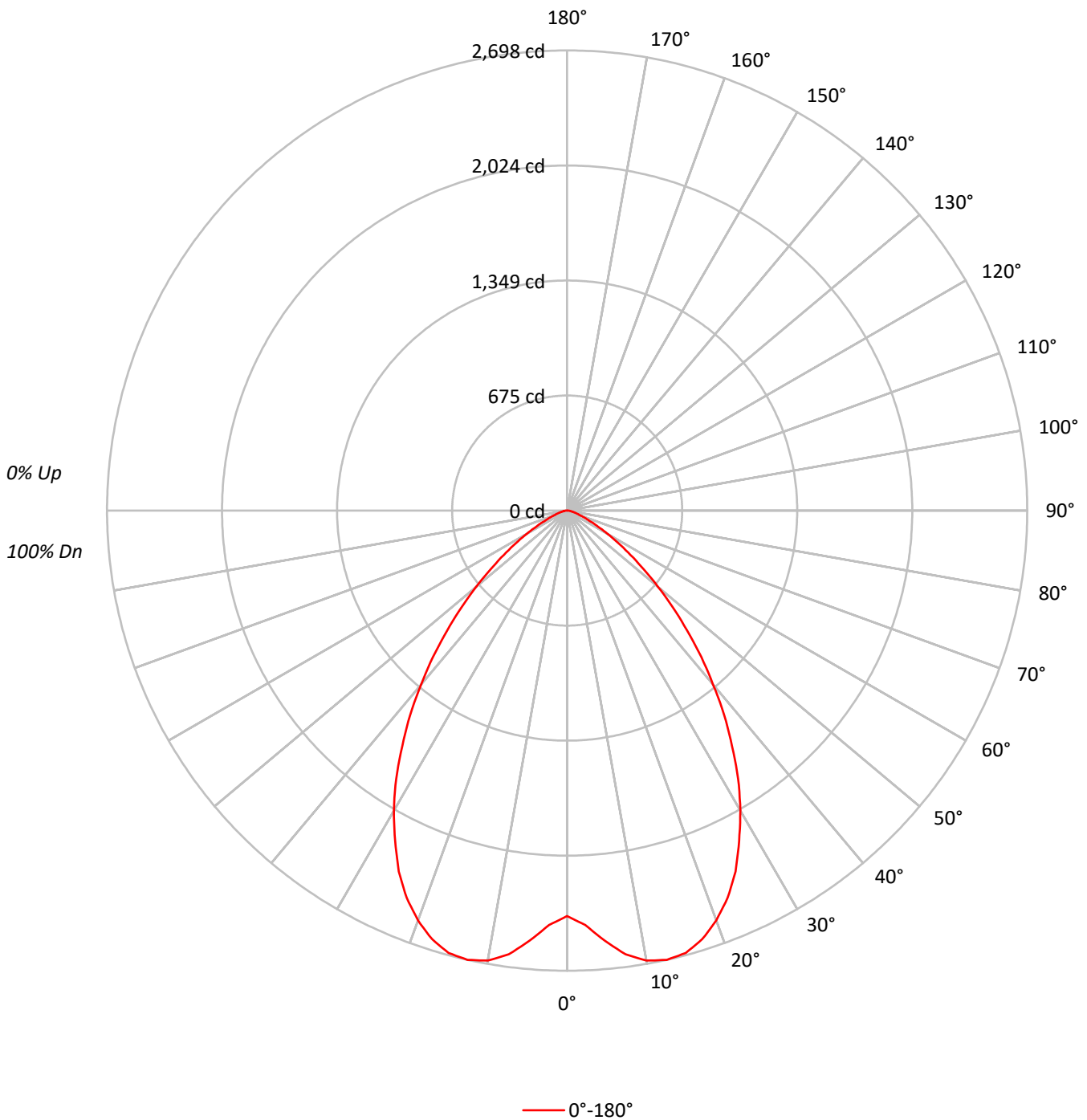
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	170219
5°	181938
10°	194781
15°	199055
20°	194806
25°	184482
30°	167954
35°	147320
40°	124417
45°	100602
50°	77540
55°	56612
60°	38966
65°	25736
70°	16790
75°	12256
80°	10432
85°	12159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.4	5.4
10°-20°	751.9	16.6
20°-30°	1065.4	23.6
30°-40°	1050.8	23.2
40°-50°	770.2	17.0
50°-60°	412.9	9.1
60°-70°	158.7	3.5
70°-80°	50.6	1.1
80°-90°	14.9	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°	2063.8	45.6
0°-40°	3114.6	68.9
0°-60°	4297.8	95.0
0°-90°	4522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4522.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2377	
5°	2531	246
15°	2685	752
25°	2335	1065
35°	1685	1051
45°	994	770
55°	454	413
65°	152	159
75°	44	51
85°	15	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2377.3
2.5°	2432.2
5°	2531.3
7.5°	2624.1
10°	2679.0
12.5°	2698.0
15°	2685.3
17.5°	2634.7
20°	2556.6
22.5°	2457.5
25°	2335.1
27.5°	2183.3
30°	2031.4
32.5°	1866.8
35°	1685.4
37.5°	1512.5
40°	1331.1
42.5°	1164.4
45°	993.5
47.5°	841.7
50°	696.1
52.5°	565.3
55°	453.5
57.5°	354.4
60°	272.1
62.5°	204.6
65°	151.9
67.5°	111.8
70°	80.2
72.5°	61.2
75°	44.3
77.5°	33.8
80°	25.3
82.5°	19.0
85°	14.8
87.5°	8.4
90°	0.0

(END OF REPORT)