

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: P366464

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4377.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

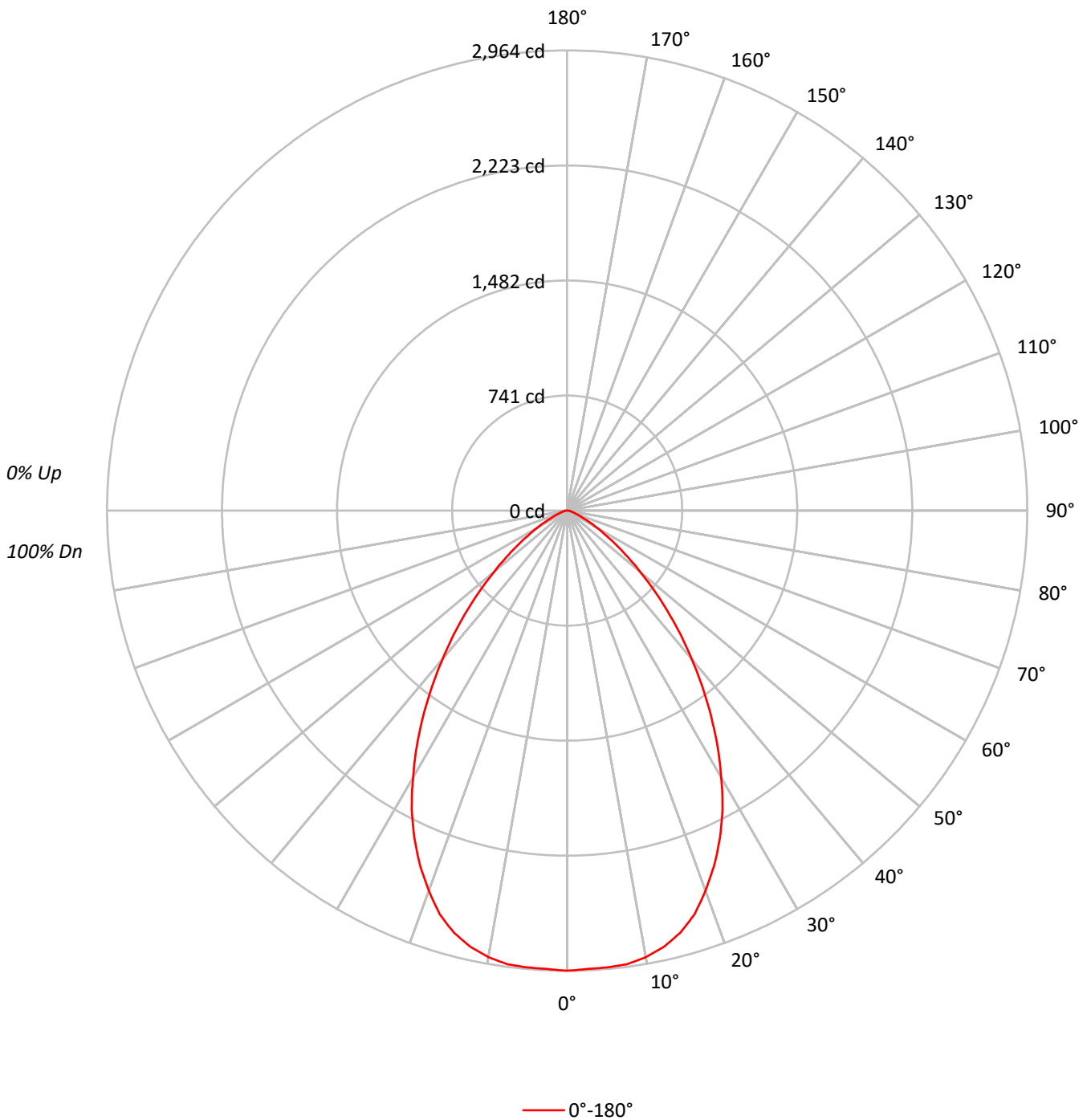
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212199
5°	212277
10°	212361
15°	208655
20°	198478
25°	183897
30°	164134
35°	141280
40°	116594
45°	92258
50°	68562
55°	48348
60°	32106
65°	19687
70°	12791
75°	9572
80°	8412
85°	10023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.1	6.4
10°-20°	788.0	18.0
20°-30°	1063.9	24.3
30°-40°	1006.6	23.0
40°-50°	705.6	16.1
50°-60°	355.1	8.1
60°-70°	125.4	2.9
70°-80°	39.2	0.9
80°-90°	12.2	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°	2132.9	48.7
0°-40°	3139.5	71.7
0°-60°	4200.2	96.0
0°-90°	4377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4377.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2964	
5°	2953	281
15°	2815	788
25°	2328	1064
35°	1616	1007
45°	911	706
55°	387	355
65°	116	125
75°	35	39
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2963.6
2.5°	2955.4
5°	2953.4
7.5°	2947.3
10°	2920.8
12.5°	2878.0
15°	2814.8
17.5°	2727.1
20°	2604.8
22.5°	2474.4
25°	2327.7
27.5°	2168.7
30°	1985.2
32.5°	1803.8
35°	1616.3
37.5°	1430.8
40°	1247.4
42.5°	1078.2
45°	911.1
47.5°	758.2
50°	615.5
52.5°	493.3
55°	387.3
57.5°	297.6
60°	224.2
62.5°	165.1
65°	116.2
67.5°	85.6
70°	61.1
72.5°	46.9
75°	34.6
77.5°	26.5
80°	20.4
82.5°	16.3
85°	12.2
87.5°	6.1
90°	0.0

(END OF REPORT)