

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: P364988

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4174.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

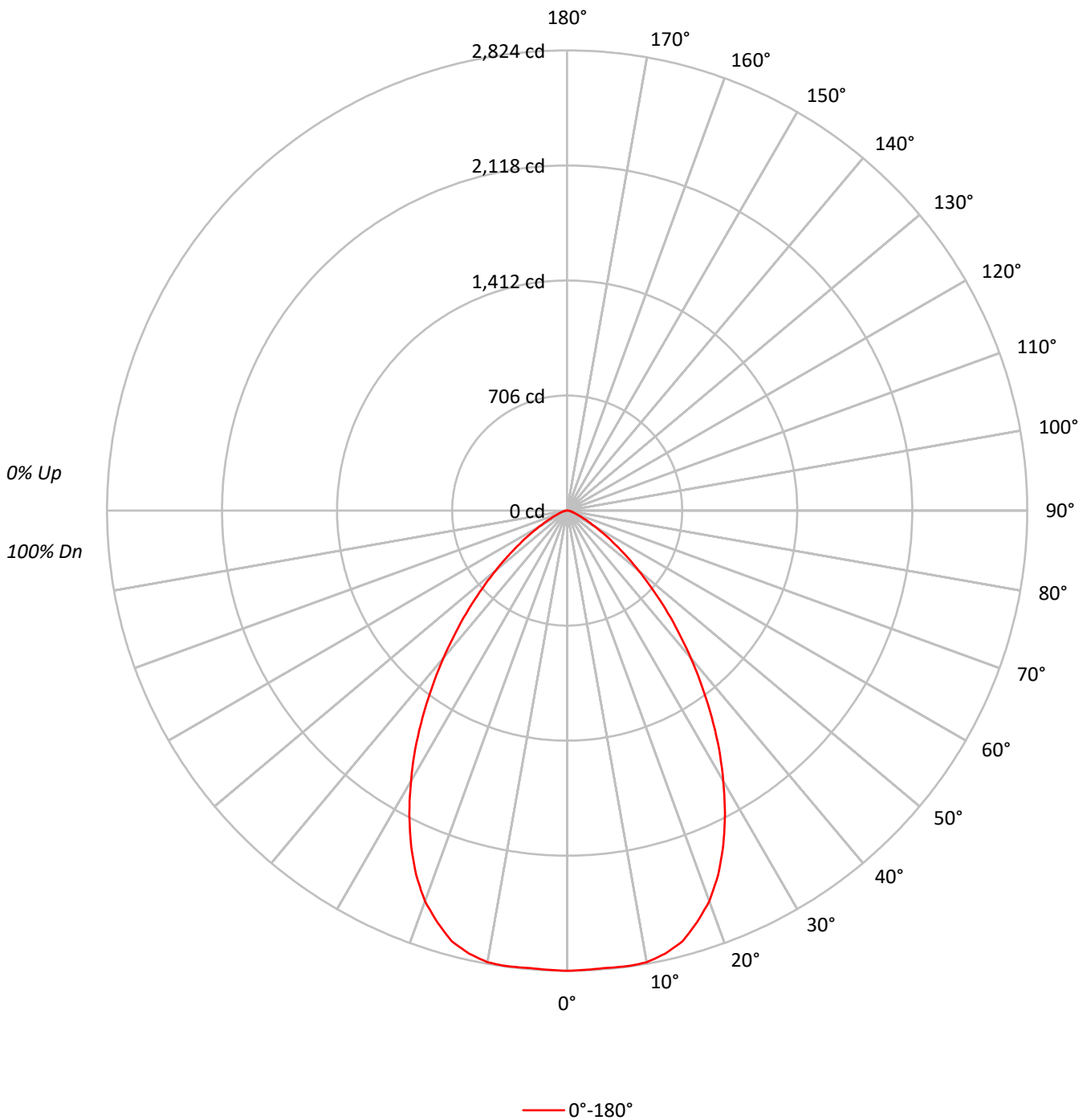
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	102	100	98	99	97	95	95	94	93	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	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	202225
5°	202451
10°	204654
15°	202843
20°	194386
25°	179047
30°	158462
35°	135127
40°	110378
45°	86304
50°	63650
55°	44129
60°	28182
65°	17163
70°	11598
75°	8991
80°	7876
85°	11009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.0	6.4
10°-20°	765.2	18.3
20°-30°	1035.0	24.8
30°-40°	962.8	23.1
40°-50°	659.7	15.8
50°-60°	325.1	7.8
60°-70°	108.6	2.6
70°-80°	36.0	0.9
80°-90°	12.5	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°	2069.3	49.6
0°-40°	3032.1	72.6
0°-60°	4016.9	96.2
0°-90°	4174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4174.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2824	
5°	2817	269
15°	2736	765
25°	2266	1035
35°	1546	963
45°	852	660
55°	354	325
65°	101	109
75°	32	36
85°	13	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2824.3
2.5°	2820.5
5°	2816.7
7.5°	2820.5
10°	2814.8
12.5°	2784.2
15°	2736.4
17.5°	2648.5
20°	2551.1
22.5°	2421.1
25°	2266.3
27.5°	2098.2
30°	1916.6
32.5°	1735.1
35°	1545.9
37.5°	1358.7
40°	1180.9
42.5°	1009.0
45°	852.3
47.5°	703.2
50°	571.4
52.5°	456.7
55°	353.5
57.5°	269.4
60°	196.8
62.5°	141.4
65°	101.3
67.5°	72.6
70°	55.4
72.5°	42.0
75°	32.5
77.5°	24.8
80°	19.1
82.5°	15.3
85°	13.4
87.5°	7.6
90°	0.0

(END OF REPORT)