

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: P365011

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4380.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

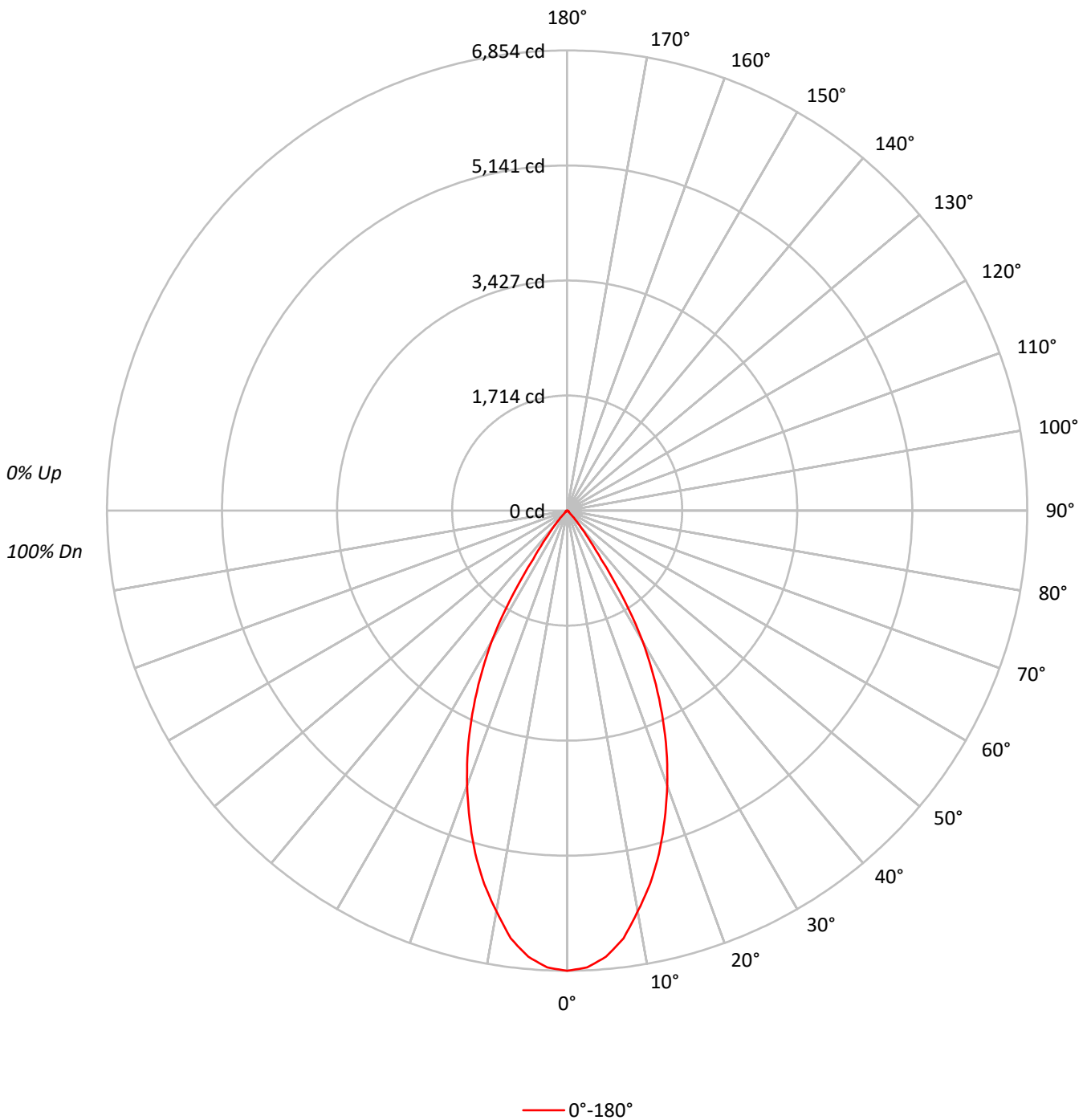
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	490788
5°	479387
10°	440608
15°	392128
20°	332143
25°	264118
30°	185696
35°	77497
40°	26760
45°	6916
50°	3498
55°	3233
60°	3179
65°	3134
70°	3098
75°	4094
80°	4577
85°	7558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.5	14.1
10°-20°	1465.4	33.5
20°-30°	1512.0	34.5
30°-40°	643.1	14.7
40°-50°	77.2	1.8
50°-60°	23.3	0.5
60°-70°	18.3	0.4
70°-80°	14.7	0.3
80°-90°	8.5	0.2
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°	3594.9	82.1
0°-40°	4238.0	96.8
0°-60°	4338.5	99.1
0°-90°	4380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4380.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6854	
5°	6670	617
15°	5290	1465
25°	3343	1512
35°	887	643
45°	68	77
55°	26	23
65°	18	18
75°	15	15
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6854.4
2.5°	6810.0
5°	6669.7
7.5°	6425.8
10°	6060.1
12.5°	5700.0
15°	5289.9
17.5°	4828.2
20°	4359.0
22.5°	3869.5
25°	3343.1
27.5°	2800.1
30°	2246.0
32.5°	1592.1
35°	886.6
37.5°	509.8
40°	286.3
42.5°	147.8
45°	68.3
47.5°	36.9
50°	31.4
52.5°	27.7
55°	25.9
57.5°	24.0
60°	22.2
62.5°	20.3
65°	18.5
67.5°	16.6
70°	14.8
72.5°	14.8
75°	14.8
77.5°	12.9
80°	11.1
82.5°	11.1
85°	9.2
87.5°	5.5
90°	0.0

(END OF REPORT)