

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: P365713

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
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-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3312.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

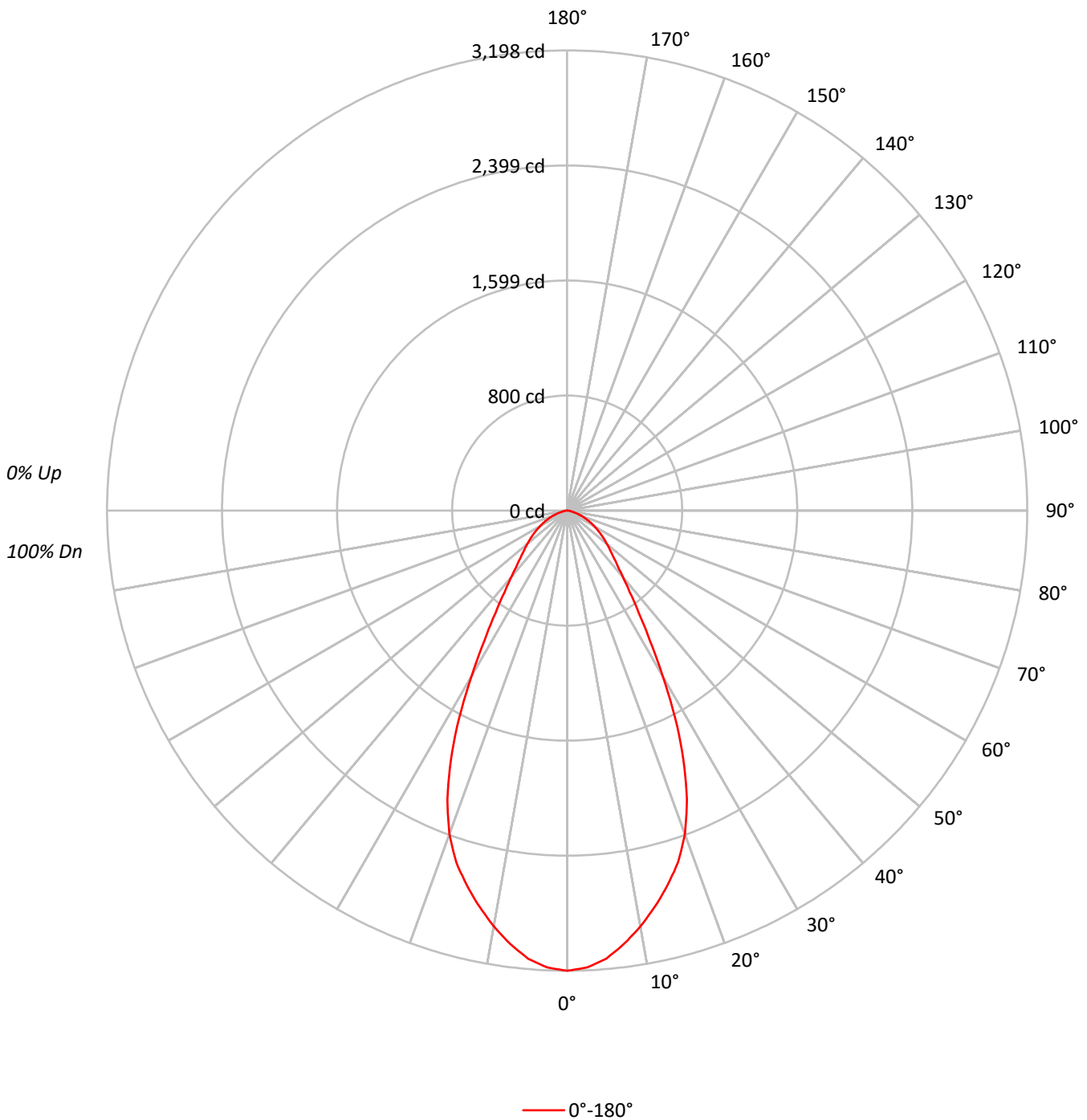
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	228968
5°	224618
10°	213321
15°	199782
20°	182347
25°	151158
30°	109673
35°	75854
40°	56100
45°	45871
50°	40246
55°	35790
60°	31204
65°	26549
70°	21207
75°	15326
80°	11051
85°	12570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.0	8.8
10°-20°	753.6	22.8
20°-30°	861.9	26.0
30°-40°	558.9	16.9
40°-50°	356.3	10.8
50°-60°	256.6	7.7
60°-70°	156.0	4.7
70°-80°	62.1	1.9
80°-90°	14.6	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°	1907.5	57.6
0°-40°	2466.4	74.5
0°-60°	3079.3	93.0
0°-90°	3312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3312.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3198	
5°	3125	292
15°	2695	754
25°	1913	862
35°	868	559
45°	453	356
55°	287	257
65°	157	156
75°	55	62
85°	15	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3197.8
2.5°	3178.6
5°	3125.1
7.5°	3037.2
10°	2934.0
12.5°	2819.3
15°	2695.1
17.5°	2563.2
20°	2393.1
22.5°	2175.2
25°	1913.3
27.5°	1626.6
30°	1326.5
32.5°	1068.5
35°	867.8
37.5°	714.9
40°	600.2
42.5°	516.1
45°	453.0
47.5°	403.3
50°	361.3
52.5°	323.0
55°	286.7
57.5°	250.4
60°	217.9
62.5°	187.3
65°	156.7
67.5°	128.1
70°	101.3
72.5°	78.4
75°	55.4
77.5°	38.2
80°	26.8
82.5°	17.2
85°	15.3
87.5°	7.6
90°	0.0

(END OF REPORT)