

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: P365786

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
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-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3953.0 lumens
Efficiency: N/A
Efficacy: 68.0 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

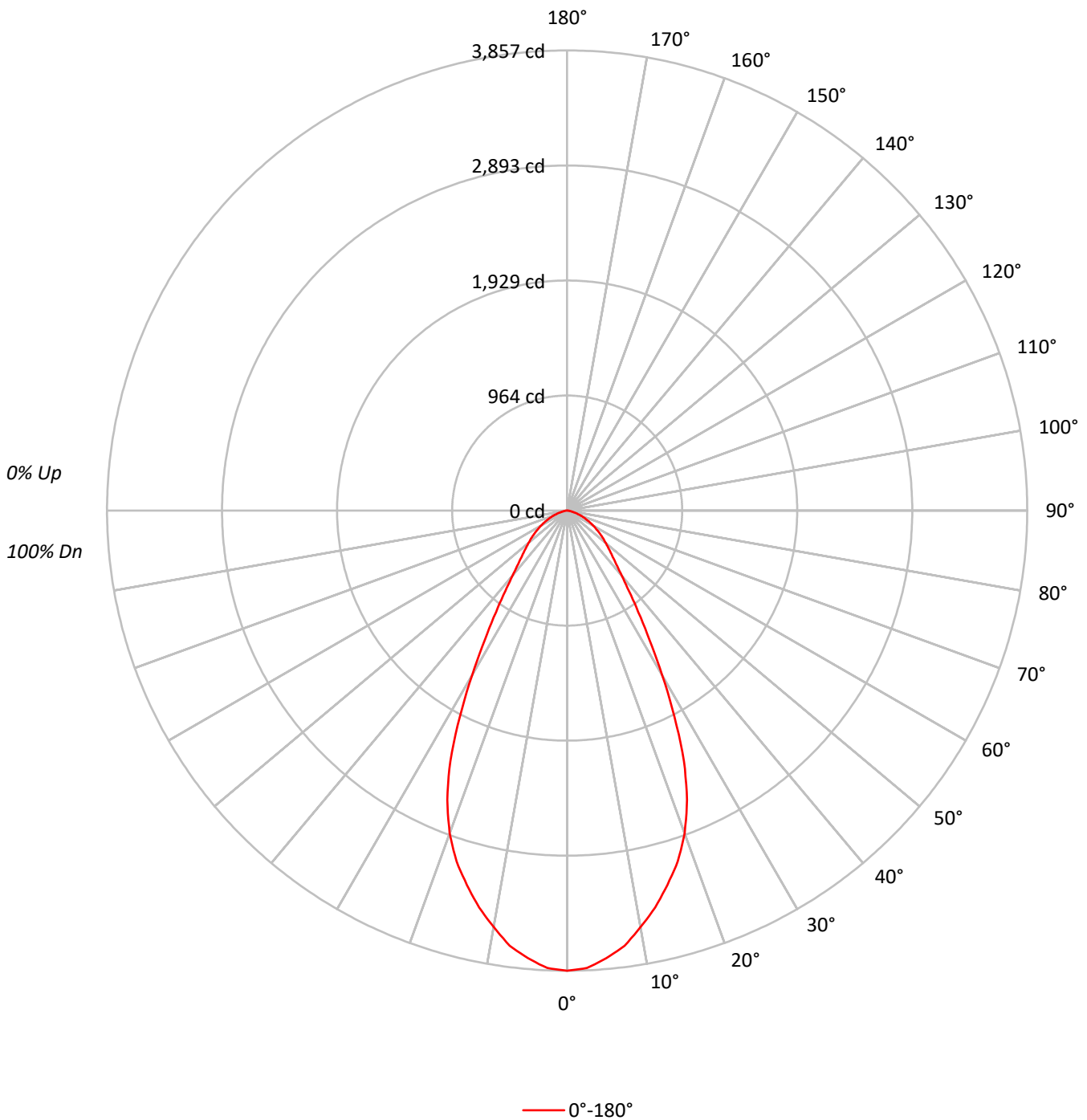
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	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	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276168
5°	270704
10°	257737
15°	240737
20°	219333
25°	183099
30°	131641
35°	90871
40°	66429
45°	53810
50°	46985
55°	41595
60°	36245
65°	30734
70°	24724
75°	17512
80°	12164
85°	13884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	8.9
10°-20°	908.2	23.0
20°-30°	1038.1	26.3
30°-40°	667.9	16.9
40°-50°	418.6	10.6
50°-60°	298.9	7.6
60°-70°	181.3	4.6
70°-80°	71.1	1.8
80°-90°	16.1	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°	2299.2	58.2
0°-40°	2967.2	75.1
0°-60°	3684.6	93.2
0°-90°	3953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3953.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3857	
5°	3766	353
15°	3248	908
25°	2318	1038
35°	1040	668
45°	531	419
55°	333	299
65°	181	181
75°	63	71
85°	17	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3857.0
2.5°	3838.0
5°	3766.3
7.5°	3679.9
10°	3544.9
12.5°	3407.8
15°	3247.6
17.5°	3083.1
20°	2878.5
22.5°	2625.5
25°	2317.6
27.5°	1946.4
30°	1592.2
32.5°	1280.1
35°	1039.6
37.5°	849.9
40°	710.7
42.5°	607.3
45°	531.4
47.5°	472.4
50°	421.8
52.5°	377.5
55°	333.2
57.5°	291.0
60°	253.1
62.5°	217.2
65°	181.4
67.5°	149.7
70°	118.1
72.5°	88.6
75°	63.3
77.5°	44.3
80°	29.5
82.5°	19.0
85°	16.9
87.5°	8.4
90°	0.0

(END OF REPORT)