

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: P365733

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
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-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3554.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

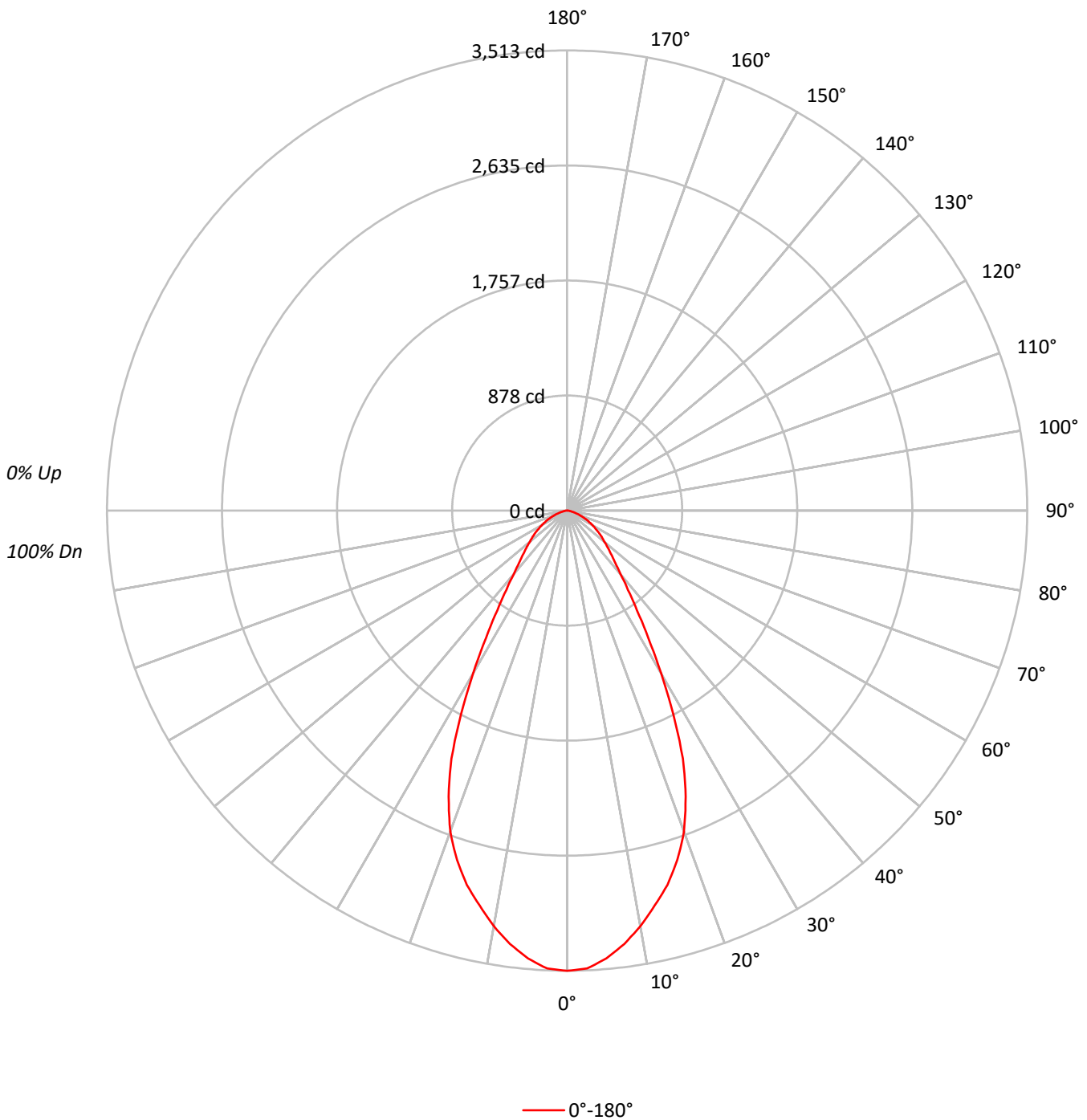
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	251552
5°	246626
10°	234231
15°	219270
20°	198753
25°	165055
30°	118396
35°	81177
40°	59549
45°	48332
50°	41605
55°	36901
60°	32035
65°	27074
70°	21333
75°	15465
80°	9896
85°	11502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.9	9.0
10°-20°	824.5	23.2
20°-30°	936.2	26.3
30°-40°	599.2	16.9
40°-50°	374.3	10.5
50°-60°	265.0	7.5
60°-70°	158.6	4.5
70°-80°	61.8	1.7
80°-90°	13.6	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°	2081.5	58.6
0°-40°	2680.7	75.4
0°-60°	3320.0	93.4
0°-90°	3554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3554.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3513	
5°	3431	321
15°	2958	825
25°	2089	936
35°	929	599
45°	477	374
55°	296	265
65°	160	159
75°	56	62
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3513.2
2.5°	3499.2
5°	3431.3
7.5°	3337.5
10°	3221.6
12.5°	3087.8
15°	2958.0
17.5°	2796.2
20°	2608.4
22.5°	2364.8
25°	2089.2
27.5°	1755.6
30°	1432.0
32.5°	1150.4
35°	928.7
37.5°	763.0
40°	637.1
42.5°	543.3
45°	477.3
47.5°	421.4
50°	373.5
52.5°	335.5
55°	295.6
57.5°	257.6
60°	223.7
62.5°	189.7
65°	159.8
67.5°	129.8
70°	101.9
72.5°	77.9
75°	55.9
77.5°	37.9
80°	24.0
82.5°	16.0
85°	14.0
87.5°	8.0
90°	0.0

(END OF REPORT)