

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: P365814

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4069.0 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

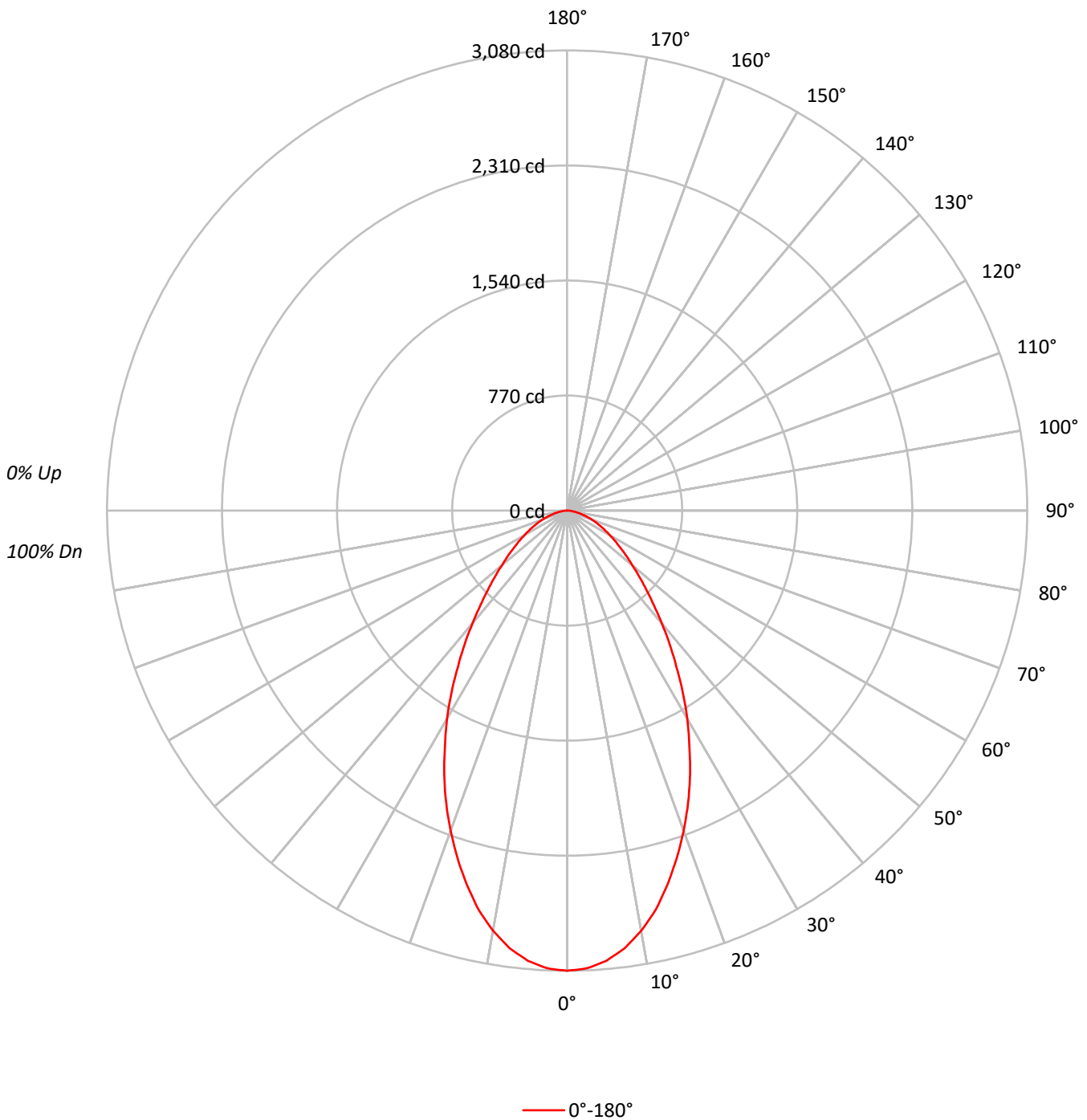
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	220548
5°	217344
10°	207577
15°	192161
20°	173752
25°	153829
30°	132865
35°	111351
40°	92096
45°	76016
50°	63505
55°	54465
60°	47372
65°	41729
70°	36343
75°	30514
80°	25153
85°	19306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.3	7.0
10°-20°	724.2	17.8
20°-30°	890.8	21.9
30°-40°	798.7	19.6
40°-50°	584.5	14.4
50°-60°	395.2	9.7
60°-70°	245.6	6.0
70°-80°	118.7	2.9
80°-90°	28.1	0.7
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°	1898.3	46.7
0°-40°	2697.0	66.3
0°-60°	3676.7	90.4
0°-90°	4069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4069.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3080	
5°	3024	283
15°	2592	724
25°	1947	891
35°	1274	799
45°	751	585
55°	436	395
65°	246	246
75°	110	119
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3080.2
2.5°	3066.2
5°	3023.9
7.5°	2953.6
10°	2855.0
12.5°	2737.7
15°	2592.3
17.5°	2439.8
20°	2280.3
22.5°	2116.0
25°	1947.1
27.5°	1771.2
30°	1607.0
32.5°	1438.1
35°	1273.9
37.5°	1126.1
40°	985.3
42.5°	858.6
45°	750.7
47.5°	654.5
50°	570.1
52.5°	502.0
55°	436.3
57.5°	382.4
60°	330.8
62.5°	286.2
65°	246.3
67.5°	208.8
70°	173.6
72.5°	140.8
75°	110.3
77.5°	82.1
80°	61.0
82.5°	39.9
85°	23.5
87.5°	9.4
90°	0.0

(END OF REPORT)