

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: P365816

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3787.0 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

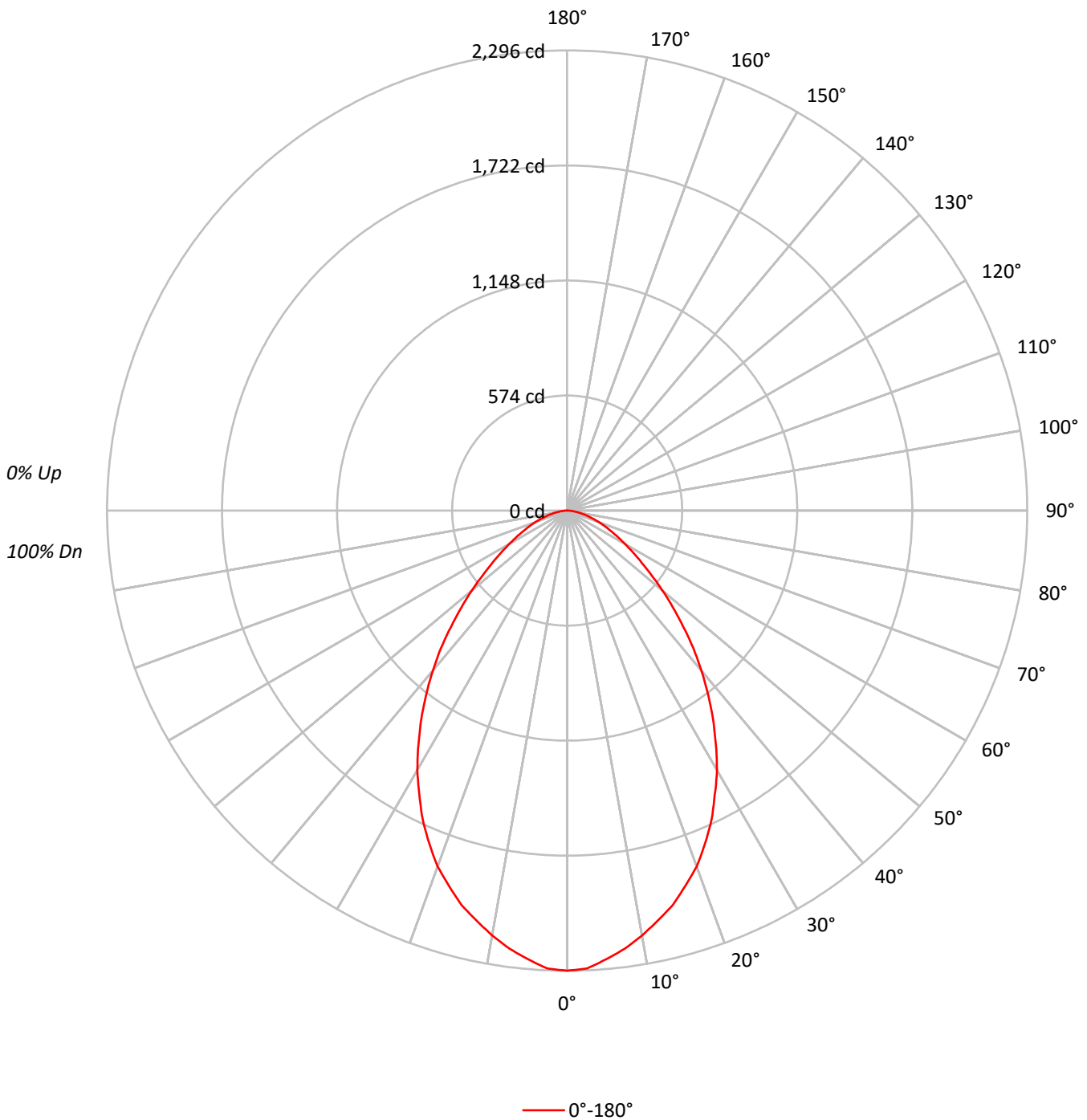
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164391
5°	161475
10°	156515
15°	151043
20°	143990
25°	134646
30°	123638
35°	110809
40°	97423
45°	82963
50°	69297
55°	56849
60°	47730
65°	40560
70°	35380
75°	29878
80°	24204
85°	19306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.6	5.6
10°-20°	571.3	15.1
20°-30°	780.5	20.6
30°-40°	791.0	20.9
40°-50°	634.3	16.8
50°-60°	413.2	10.9
60°-70°	241.3	6.4
70°-80°	116.0	3.1
80°-90°	27.8	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°	1563.4	41.3
0°-40°	2354.4	62.2
0°-60°	3401.9	89.8
0°-90°	3787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3787.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2296	
5°	2247	212
15°	2038	571
25°	1704	780
35°	1268	791
45°	819	634
55°	455	413
65°	239	241
75°	108	116
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2295.9
2.5°	2286.5
5°	2246.6
7.5°	2204.3
10°	2152.7
12.5°	2094.0
15°	2037.6
17.5°	1962.5
20°	1889.7
22.5°	1798.2
25°	1704.3
27.5°	1596.3
30°	1495.4
32.5°	1380.3
35°	1267.7
37.5°	1155.0
40°	1042.3
42.5°	932.0
45°	819.3
47.5°	716.0
50°	622.1
52.5°	530.5
55°	455.4
57.5°	389.7
60°	333.3
62.5°	284.0
65°	239.4
67.5°	201.9
70°	169.0
72.5°	136.2
75°	108.0
77.5°	82.2
80°	58.7
82.5°	39.9
85°	23.5
87.5°	9.4
90°	0.0

(END OF REPORT)