

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: P365802

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3905.9 lumens
Efficiency: N/A
Efficacy: 53.2 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

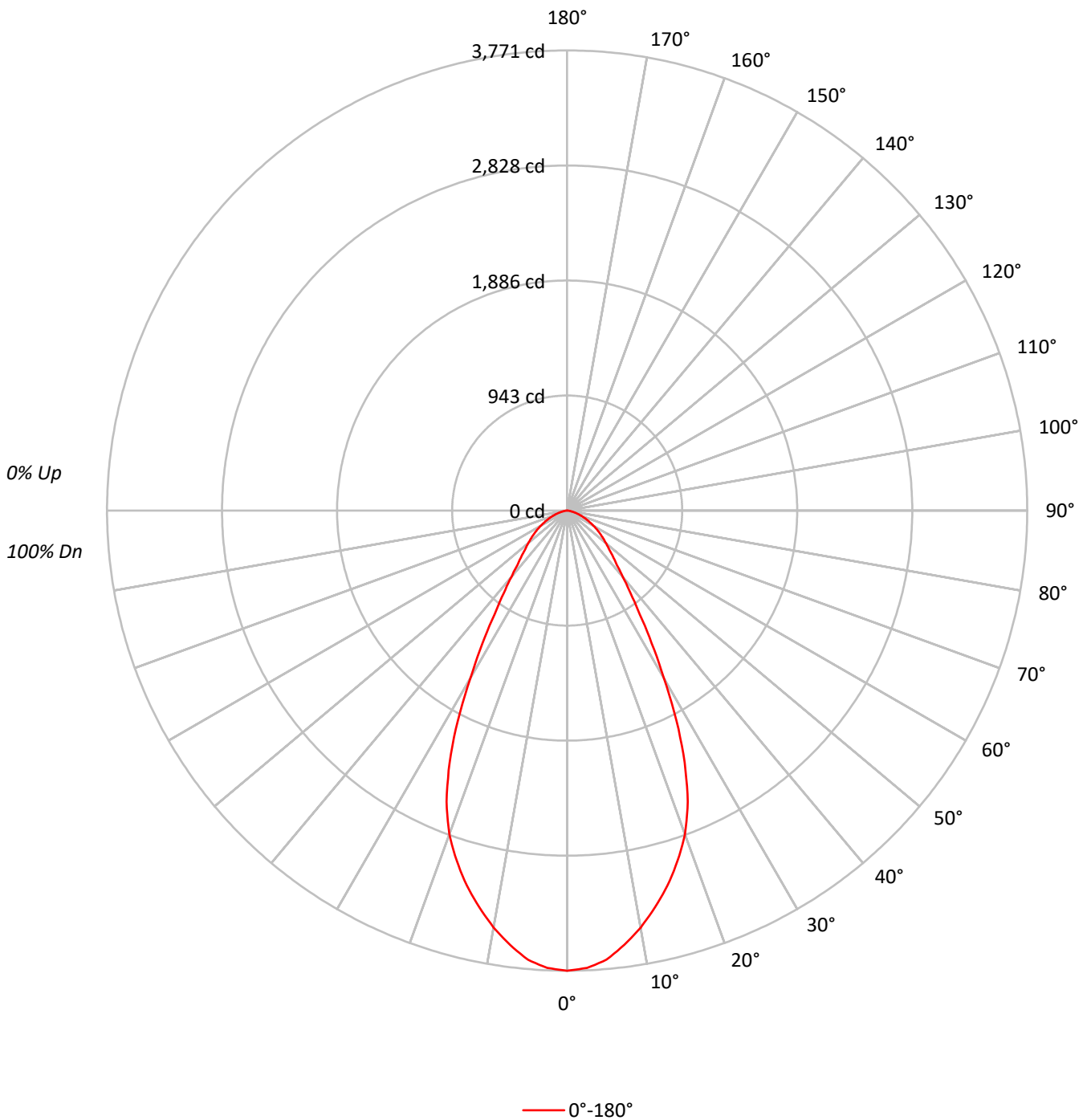
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	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	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	270025
5°	265565
10°	252306
15°	235756
20°	215127
25°	180113
30°	131104
35°	90705
40°	66345
45°	53445
50°	46284
55°	40933
60°	35701
65°	30446
70°	24913
75°	18646
80°	12947
85°	11091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.1	8.8
10°-20°	888.3	22.7
20°-30°	1025.4	26.3
30°-40°	668.7	17.1
40°-50°	415.1	10.6
50°-60°	294.8	7.5
60°-70°	179.2	4.6
70°-80°	74.2	1.9
80°-90°	15.3	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°	2258.8	57.8
0°-40°	2927.4	74.9
0°-60°	3637.3	93.1
0°-90°	3905.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3905.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3771	
5°	3695	345
15°	3180	888
25°	2280	1025
35°	1038	669
45°	528	415
55°	328	295
65°	180	179
75°	67	74
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3771.2
2.5°	3751.0
5°	3694.8
7.5°	3589.2
10°	3470.2
12.5°	3328.7
15°	3180.4
17.5°	3009.7
20°	2823.3
22.5°	2583.0
25°	2279.8
27.5°	1940.6
30°	1585.7
32.5°	1289.2
35°	1037.7
37.5°	851.3
40°	709.8
42.5°	604.2
45°	527.8
47.5°	464.9
50°	415.5
52.5°	370.6
55°	327.9
57.5°	289.7
60°	249.3
62.5°	213.4
65°	179.7
67.5°	148.2
70°	119.0
72.5°	92.1
75°	67.4
77.5°	47.2
80°	31.4
82.5°	20.2
85°	13.5
87.5°	6.7
90°	0.0

(END OF REPORT)