

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: P365829

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2430.0 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

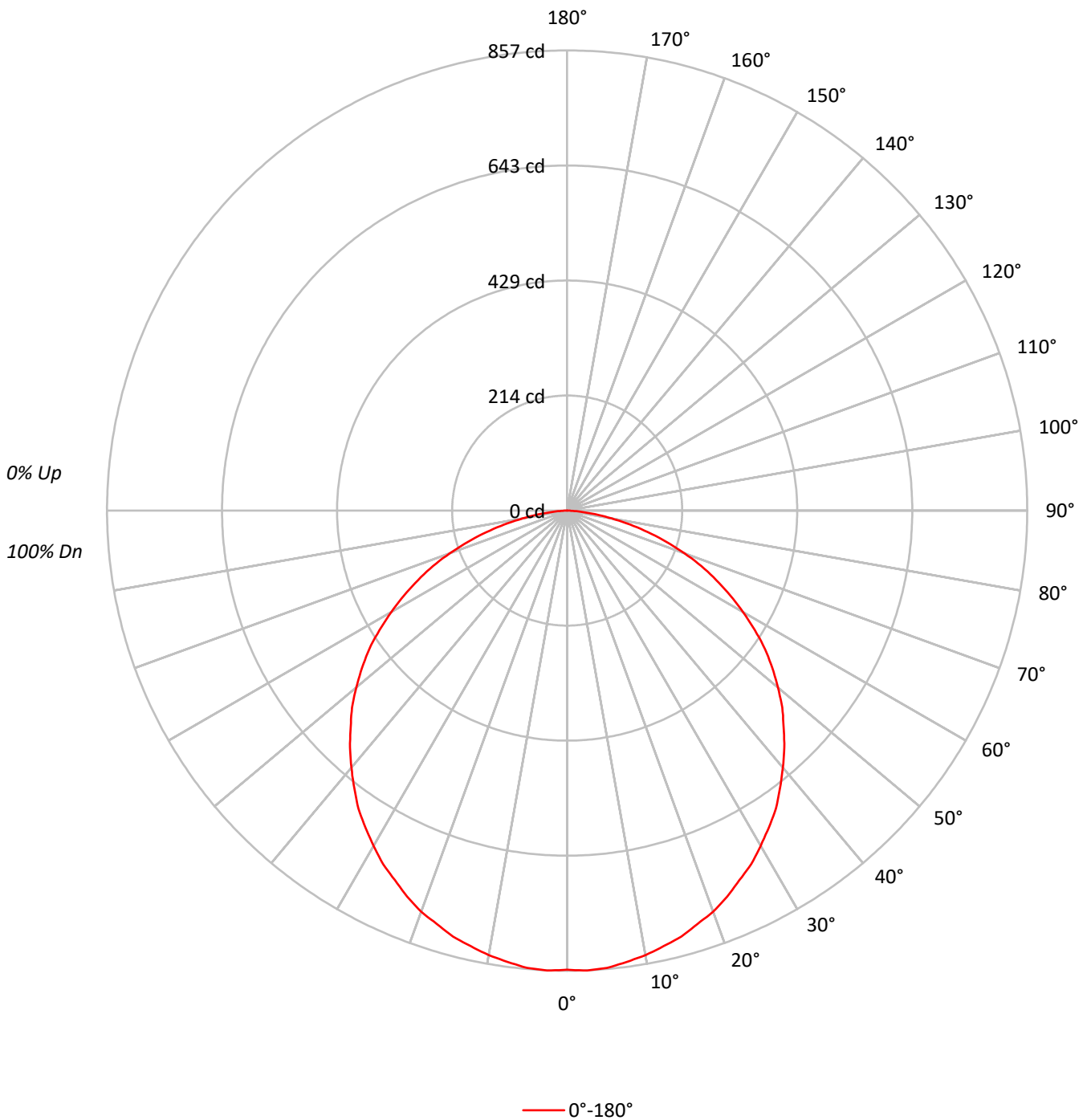
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23355
5°	23444
10°	23315
15°	23228
20°	23112
25°	22882
30°	22735
35°	22598
40°	22290
45°	22019
50°	21779
55°	21440
60°	20672
65°	19810
70°	18553
75°	16432
80°	13182
85°	7490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	3.3
10°-20°	231.6	9.5
20°-30°	350.5	14.4
30°-40°	423.1	17.4
40°-50°	440.5	18.1
50°-60°	400.6	16.5
60°-70°	303.1	12.5
70°-80°	165.4	6.8
80°-90°	34.2	1.4
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°	663.2	27.3
0°-40°	1086.3	44.7
0°-60°	1927.4	79.3
0°-90°	2430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2430.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	855	
5°	855	81
15°	821	232
25°	759	351
35°	678	423
45°	570	440
55°	450	401
65°	306	303
75°	156	165
85°	24	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	855.0
2.5°	857.4
5°	855.0
7.5°	847.8
10°	840.6
12.5°	831.0
15°	821.4
17.5°	807.1
20°	795.1
22.5°	778.3
25°	759.2
27.5°	742.4
30°	720.8
32.5°	699.3
35°	677.7
37.5°	651.4
40°	625.1
42.5°	598.7
45°	570.0
47.5°	543.6
50°	512.5
52.5°	481.4
55°	450.2
57.5°	414.3
60°	378.4
62.5°	342.5
65°	306.5
67.5°	270.6
70°	232.3
72.5°	194.0
75°	155.7
77.5°	119.7
80°	83.8
82.5°	52.7
85°	23.9
87.5°	7.2
90°	0.0

(END OF REPORT)