

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: P366567

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2700.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

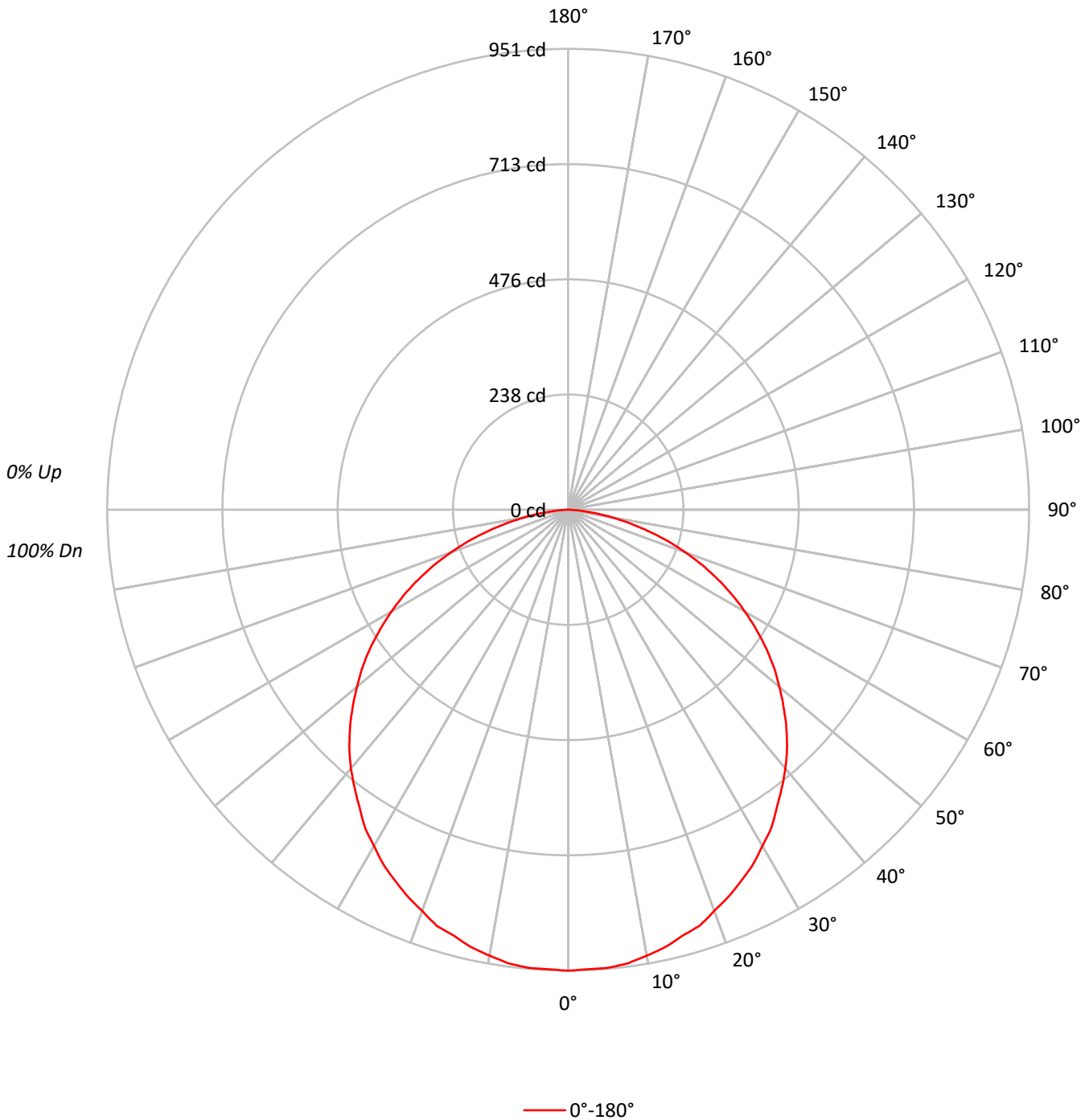
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	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°	25988
5°	26021
10°	25920
15°	25742
20°	25615
25°	25464
30°	25274
35°	25026
40°	24860
45°	24595
50°	24175
55°	23749
60°	23010
65°	22059
70°	20493
75°	18142
80°	14472
85°	8337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	3.3
10°-20°	257.5	9.5
20°-30°	389.6	14.4
30°-40°	470.3	17.4
40°-50°	490.6	18.2
50°-60°	444.8	16.5
60°-70°	337.2	12.5
70°-80°	182.5	6.8
80°-90°	37.5	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°	737.2	27.3
0°-40°	1207.5	44.7
0°-60°	2142.8	79.4
0°-90°	2700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2700.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	951	
5°	949	90
15°	910	257
25°	845	390
35°	750	470
45°	637	491
55°	499	445
65°	341	337
75°	172	182
85°	27	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	951.4
2.5°	949.0
5°	949.0
7.5°	944.2
10°	934.5
12.5°	924.8
15°	910.3
17.5°	900.6
20°	881.2
22.5°	864.3
25°	844.9
27.5°	825.5
30°	801.3
32.5°	779.5
35°	750.5
37.5°	723.8
40°	697.2
42.5°	668.2
45°	636.7
47.5°	602.8
50°	568.9
52.5°	535.0
55°	498.7
57.5°	460.0
60°	421.2
62.5°	382.5
65°	341.3
67.5°	300.2
70°	256.6
72.5°	215.5
75°	171.9
77.5°	130.7
80°	92.0
82.5°	58.1
85°	26.6
87.5°	7.3
90°	0.0

(END OF REPORT)