

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: P365091

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
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-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.0 lumens
Efficiency: N/A
Efficacy: 36.7 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

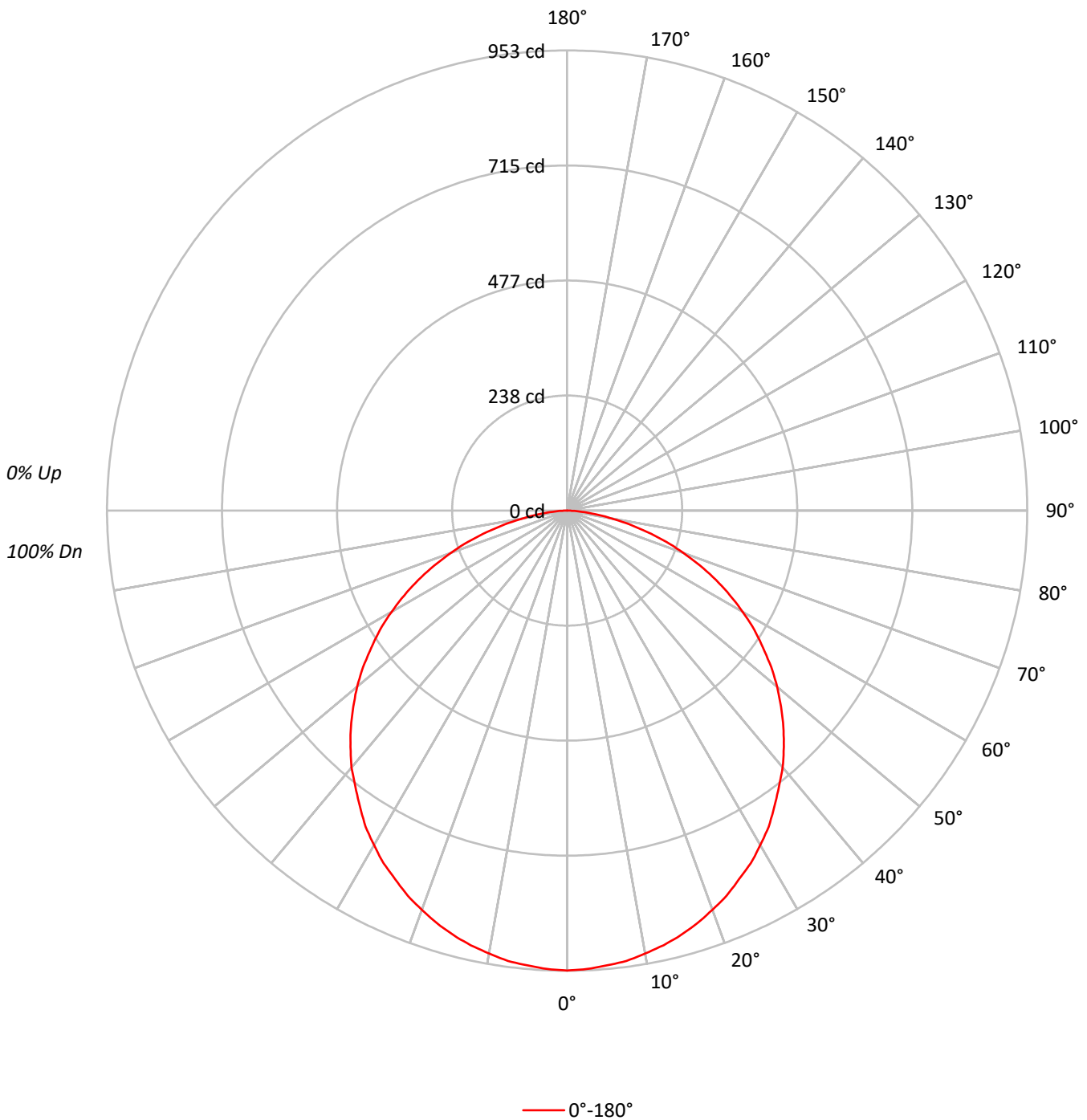
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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°	26021
5°	25925
10°	25834
15°	25742
20°	25574
25°	25386
30°	25236
35°	24956
40°	24764
45°	24472
50°	24129
55°	23573
60°	22945
65°	21988
70°	20421
75°	18079
80°	14755
85°	9559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	3.3
10°-20°	256.8	9.5
20°-30°	388.8	14.4
30°-40°	468.7	17.4
40°-50°	488.4	18.1
50°-60°	443.2	16.4
60°-70°	335.5	12.5
70°-80°	182.7	6.8
80°-90°	40.2	1.5
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°	735.5	27.3
0°-40°	1204.1	44.7
0°-60°	2135.6	79.3
0°-90°	2694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	953	
5°	946	90
15°	910	257
25°	842	389
35°	748	469
45°	634	488
55°	495	443
65°	340	335
75°	171	183
85°	30	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	952.6
2.5°	950.2
5°	945.5
7.5°	940.8
10°	931.4
12.5°	922.1
15°	910.3
17.5°	896.2
20°	879.8
22.5°	863.4
25°	842.3
27.5°	823.5
30°	800.1
32.5°	776.6
35°	748.4
37.5°	720.3
40°	694.5
42.5°	664.0
45°	633.5
47.5°	600.6
50°	567.8
52.5°	532.6
55°	495.0
57.5°	459.9
60°	420.0
62.5°	380.1
65°	340.2
67.5°	298.0
70°	255.7
72.5°	215.8
75°	171.3
77.5°	131.4
80°	93.8
82.5°	58.7
85°	30.5
87.5°	11.7
90°	0.0

(END OF REPORT)