

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: P365813

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4231.0 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

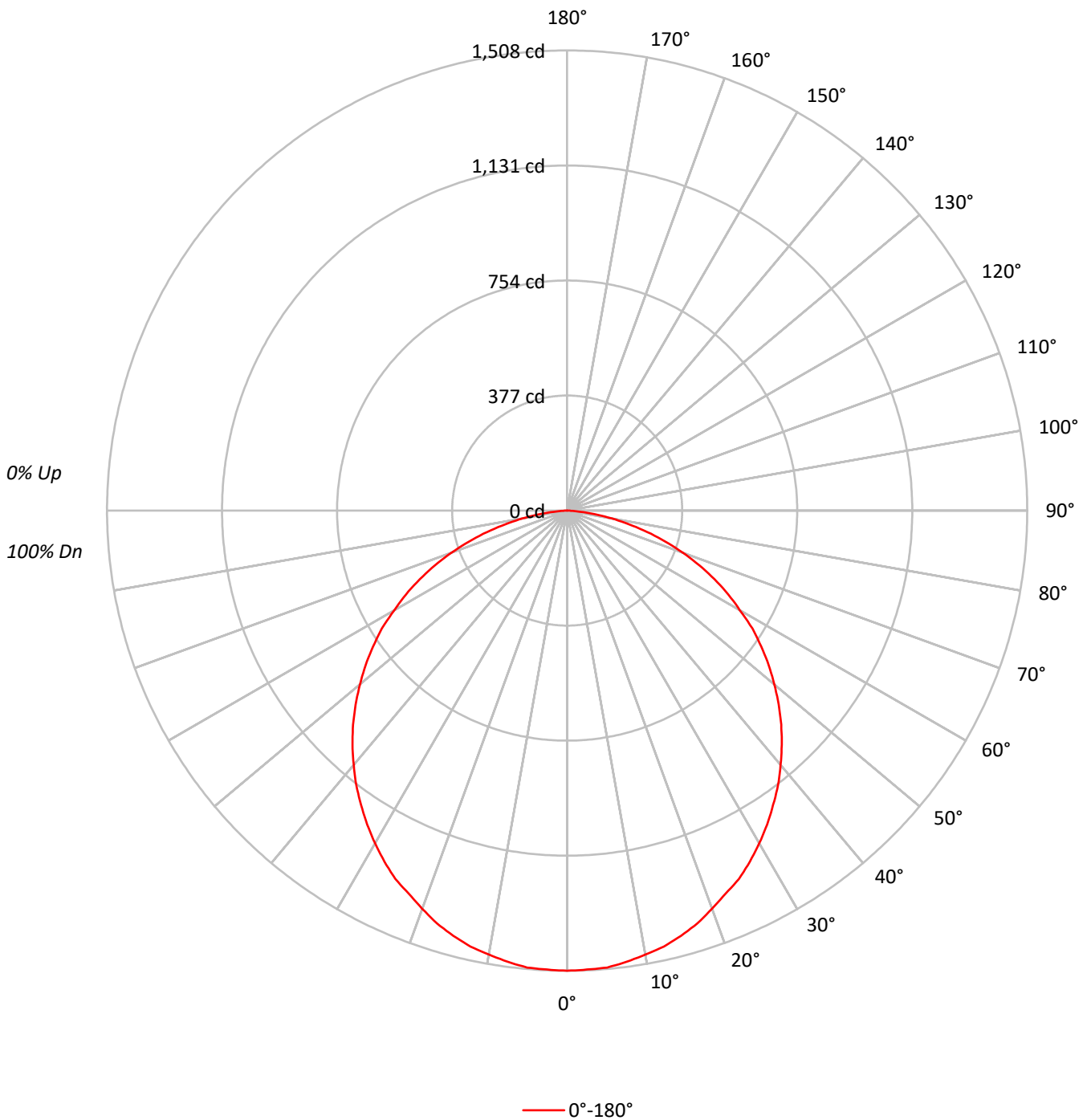
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		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	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41191
5°	41220
10°	40981
15°	40787
20°	40358
25°	40148
30°	39723
35°	39258
40°	38803
45°	38321
50°	37672
55°	36970
60°	35745
65°	34411
70°	32217
75°	28706
80°	23234
85°	13978



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	3.4
10°-20°	406.7	9.6
20°-30°	612.8	14.5
30°-40°	736.9	17.4
40°-50°	764.8	18.1
50°-60°	693.2	16.4
60°-70°	526.0	12.4
70°-80°	287.7	6.8
80°-90°	60.3	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°	1162.2	27.5
0°-40°	1899.1	44.9
0°-60°	3357.1	79.3
0°-90°	4231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4231.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1508	
5°	1503	143
15°	1442	407
25°	1332	613
35°	1177	737
45°	992	765
55°	776	693
65°	532	526
75°	272	288
85°	45	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1508.0
2.5°	1505.6
5°	1503.3
7.5°	1491.6
10°	1477.5
12.5°	1463.4
15°	1442.3
17.5°	1418.9
20°	1388.4
22.5°	1357.9
25°	1332.1
27.5°	1296.9
30°	1259.4
32.5°	1219.5
35°	1177.3
37.5°	1135.1
40°	1088.2
42.5°	1041.3
45°	992.0
47.5°	940.4
50°	886.5
52.5°	832.6
55°	776.3
57.5°	720.0
60°	654.3
62.5°	595.7
65°	532.4
67.5°	469.0
70°	403.4
72.5°	337.7
75°	272.0
77.5°	206.4
80°	147.7
82.5°	91.5
85°	44.6
87.5°	11.7
90°	0.0

(END OF REPORT)