

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: P366101

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1384.0 lumens
Efficiency: N/A
Efficacy: 68.2 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

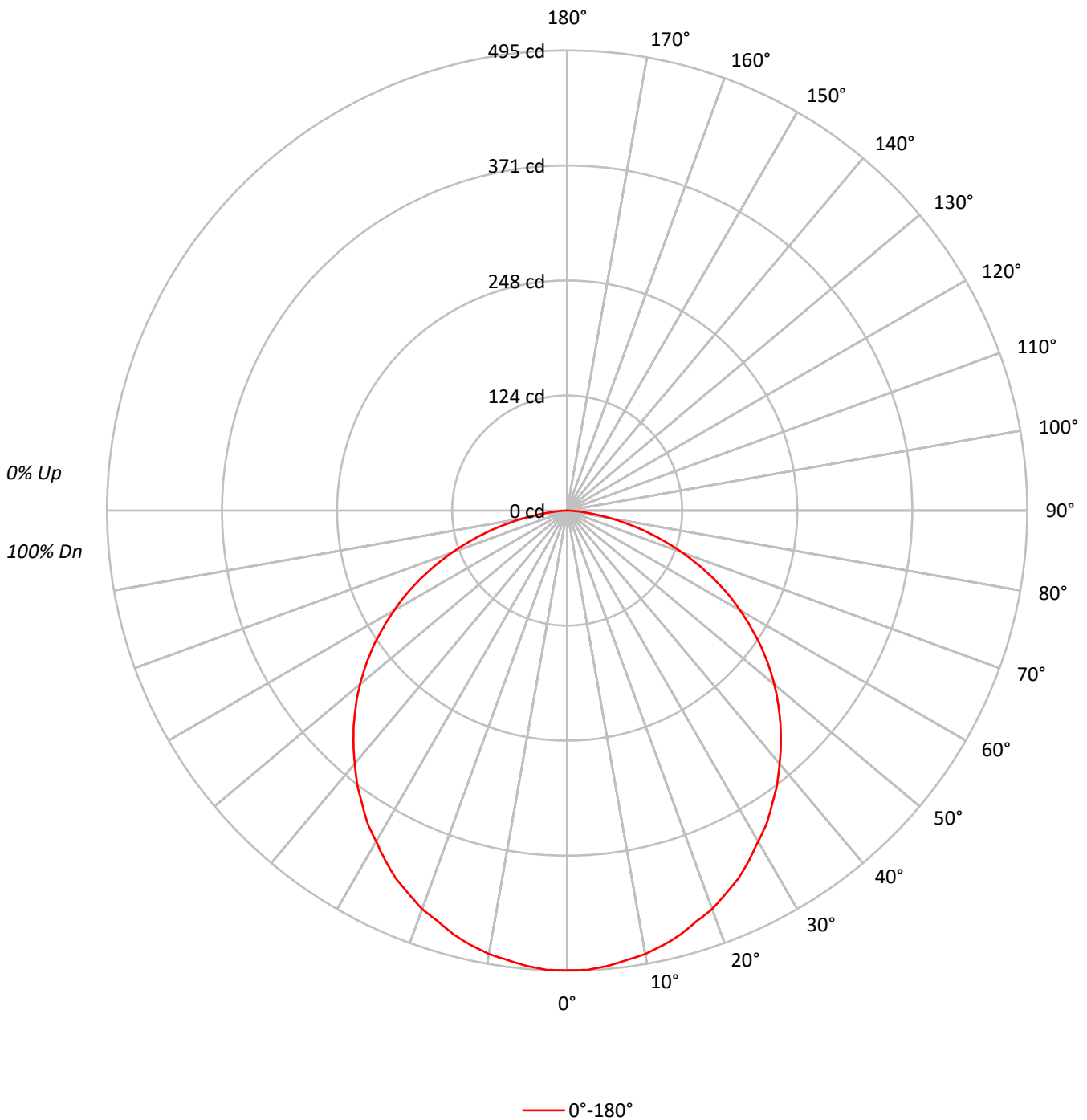
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	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	46	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°	13510
5°	13488
10°	13433
15°	13348
20°	13261
25°	13150
30°	12960
35°	12831
40°	12673
45°	12535
50°	12362
55°	12120
60°	11767
65°	11259
70°	10518
75°	9340
80°	7440
85°	4513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	3.4
10°-20°	133.1	9.6
20°-30°	200.7	14.5
30°-40°	240.9	17.4
40°-50°	250.2	18.1
50°-60°	227.1	16.4
60°-70°	172.2	12.4
70°-80°	93.6	6.8
80°-90°	19.5	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°	380.5	27.5
0°-40°	621.4	44.9
0°-60°	1098.7	79.4
0°-90°	1384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1384.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	495	
5°	492	47
15°	472	133
25°	436	201
35°	385	241
45°	324	250
55°	254	227
65°	174	172
75°	88	94
85°	14	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	494.6
2.5°	494.6
5°	491.9
7.5°	487.8
10°	484.3
12.5°	478.8
15°	472.0
17.5°	463.1
20°	456.2
22.5°	445.9
25°	436.3
27.5°	424.0
30°	410.9
32.5°	399.3
35°	384.8
37.5°	371.1
40°	355.4
42.5°	340.3
45°	324.5
47.5°	308.0
50°	290.9
52.5°	273.0
55°	254.5
57.5°	234.6
60°	215.4
62.5°	195.5
65°	174.2
67.5°	153.0
70°	131.7
72.5°	109.8
75°	88.5
77.5°	67.2
80°	47.3
82.5°	29.5
85°	14.4
87.5°	4.1
90°	0.0

(END OF REPORT)