

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: P364677

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364677
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: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 796.0 lumens
Efficiency: N/A
Efficacy: 39.2 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

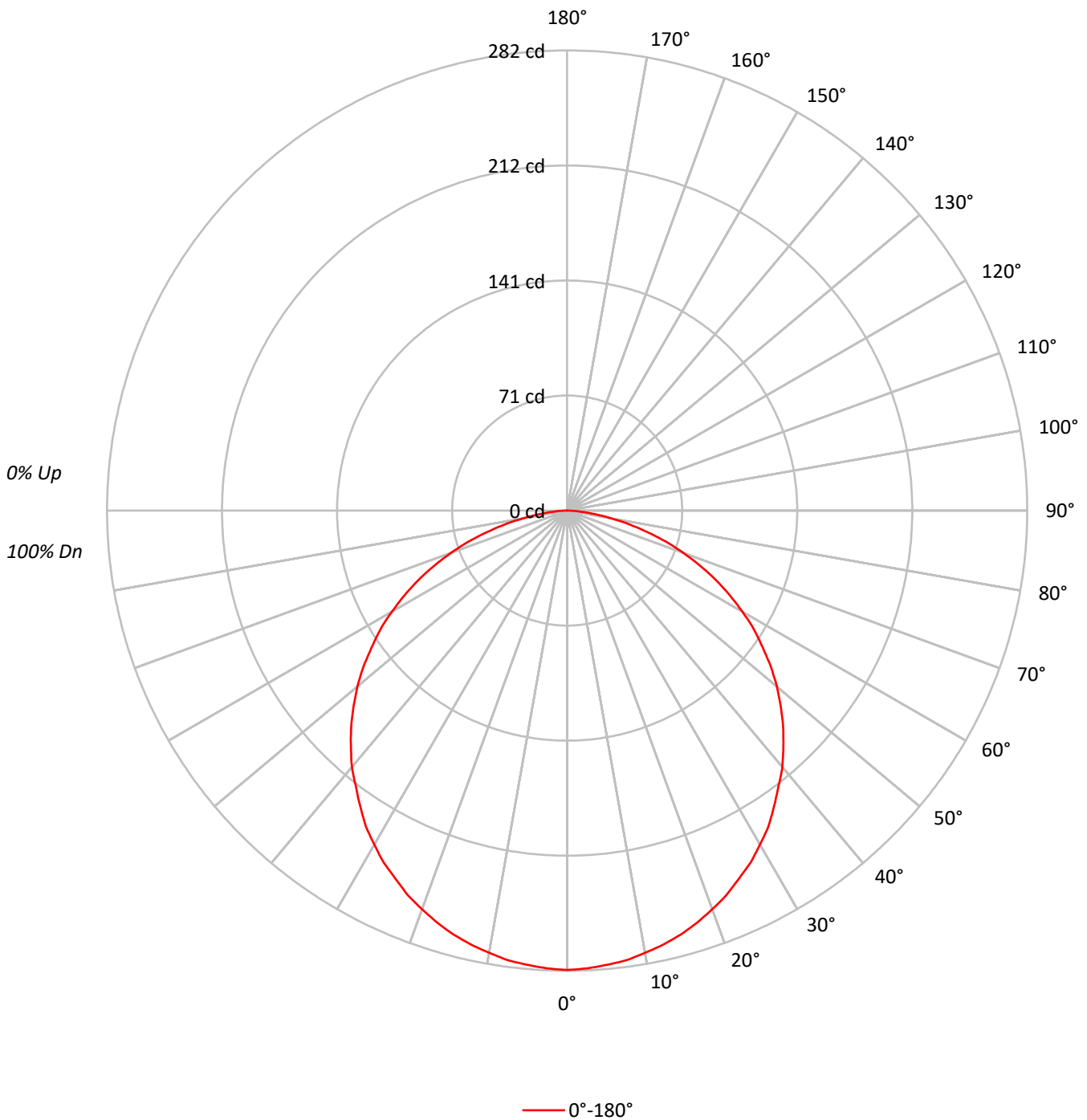
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	7689
5°	7661
10°	7633
15°	7607
20°	7558
25°	7502
30°	7456
35°	7373
40°	7317
45°	7231
50°	7131
55°	6967
60°	6780
65°	6496
70°	6038
75°	5340
80°	4357
85°	2821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	3.3
10°-20°	75.9	9.5
20°-30°	114.9	14.4
30°-40°	138.5	17.4
40°-50°	144.3	18.1
50°-60°	131.0	16.5
60°-70°	99.1	12.5
70°-80°	54.0	6.8
80°-90°	11.9	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°	217.3	27.3
0°-40°	355.8	44.7
0°-60°	631.1	79.3
0°-90°	796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	282	
5°	279	27
15°	269	76
25°	249	115
35°	221	138
45°	187	144
55°	146	131
65°	100	99
75°	51	54
85°	9	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	281.5
2.5°	280.8
5°	279.4
7.5°	278.0
10°	275.2
12.5°	272.4
15°	269.0
17.5°	264.8
20°	260.0
22.5°	255.1
25°	248.9
27.5°	243.3
30°	236.4
32.5°	229.5
35°	221.1
37.5°	212.8
40°	205.2
42.5°	196.2
45°	187.2
47.5°	177.5
50°	167.8
52.5°	157.4
55°	146.3
57.5°	135.9
60°	124.1
62.5°	112.3
65°	100.5
67.5°	88.0
70°	75.6
72.5°	63.8
75°	50.6
77.5°	38.8
80°	27.7
82.5°	17.3
85°	9.0
87.5°	3.5
90°	0.0

(END OF REPORT)