

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: P366135

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366135
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: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 793.0 lumens
Efficiency: N/A
Efficacy: 39.1 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

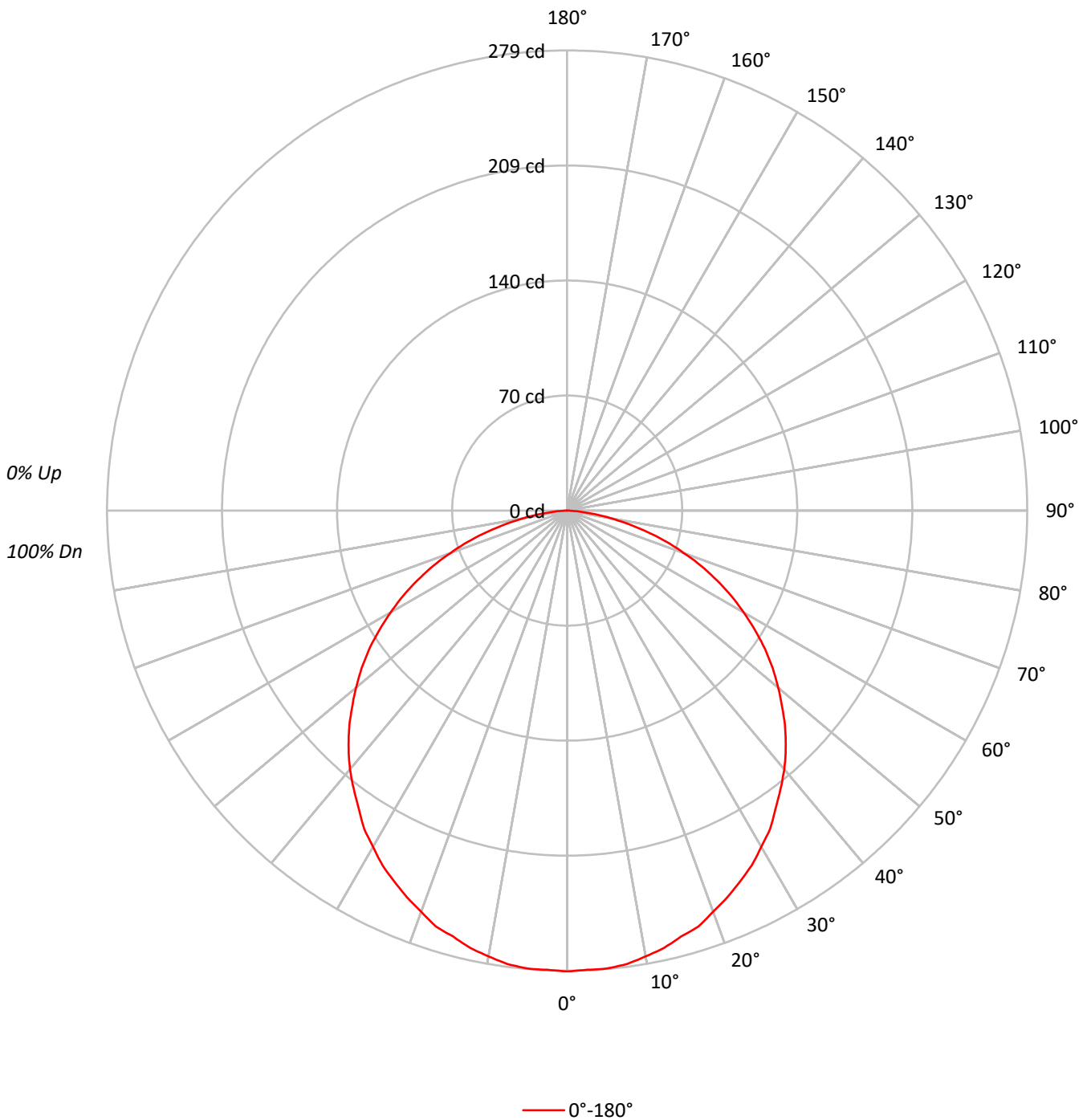
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366135

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89AM

Luminous Intensity Polar Plot





TEST NUMBER: P366135

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89AM

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°	7632
5°	7642
10°	7614
15°	7559
20°	7523
25°	7478
30°	7425
35°	7349
40°	7303
45°	7224
50°	7101
55°	6977
60°	6758
65°	6483
70°	6022
75°	5330
80°	4247
85°	2445



TEST NUMBER: P366135

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89AM

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	3.3
10°-20°	75.6	9.5
20°-30°	114.4	14.4
30°-40°	138.1	17.4
40°-50°	144.1	18.2
50°-60°	130.6	16.5
60°-70°	99.0	12.5
70°-80°	53.6	6.8
80°-90°	11.0	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°	216.5	27.3
0°-40°	354.6	44.7
0°-60°	629.3	79.4
0°-90°	793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	793.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	279	
5°	279	26
15°	267	76
25°	248	114
35°	220	138
45°	187	144
55°	146	131
65°	100	99
75°	50	54
85°	8	11
90°	0	



TEST NUMBER: P366135

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89AM

CANDELA DISTRIBUTION (FULL):

	0°
0°	279.4
2.5°	278.7
5°	278.7
7.5°	277.3
10°	274.5
12.5°	271.6
15°	267.3
17.5°	264.5
20°	258.8
22.5°	253.8
25°	248.1
27.5°	242.5
30°	235.4
32.5°	229.0
35°	220.4
37.5°	212.6
40°	204.8
42.5°	196.2
45°	187.0
47.5°	177.0
50°	167.1
52.5°	157.1
55°	146.5
57.5°	135.1
60°	123.7
62.5°	112.3
65°	100.3
67.5°	88.2
70°	75.4
72.5°	63.3
75°	50.5
77.5°	38.4
80°	27.0
82.5°	17.1
85°	7.8
87.5°	2.1
90°	0.0

(END OF REPORT)