

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: P364625

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1327.0 lumens
Efficiency: N/A
Efficacy: 65.4 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

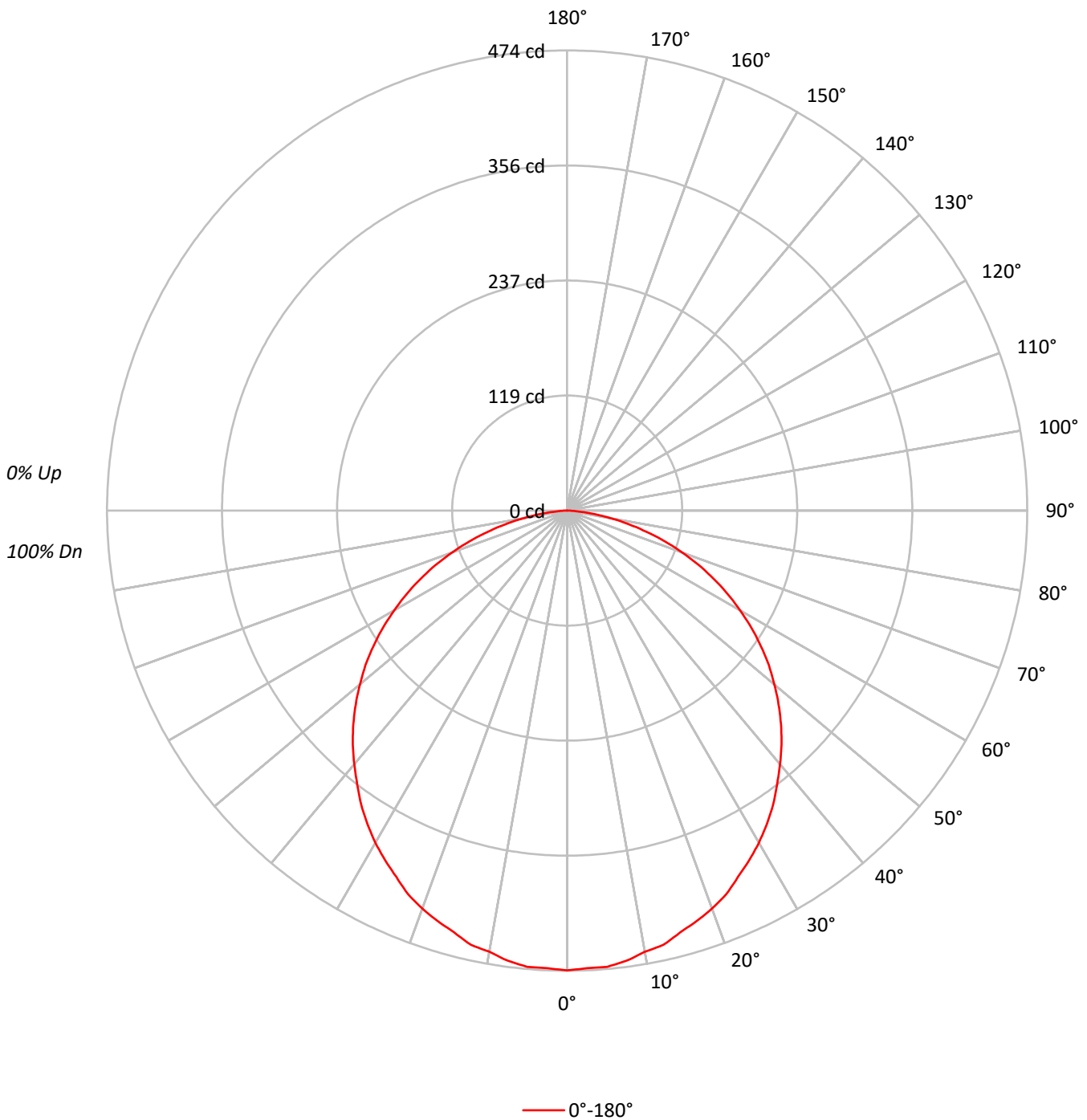
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364625

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BL89BW

Luminous Intensity Polar Plot





TEST NUMBER: P364625

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BL89BW

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	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	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	34	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°	12937
5°	12934
10°	12798
15°	12720
20°	12682
25°	12550
30°	12462
35°	12338
40°	12163
45°	12033
50°	11843
55°	11615
60°	11248
65°	10774
70°	10071
75°	8960
80°	7189
85°	4450



TEST NUMBER: P364625

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BL89BW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	3.4
10°-20°	127.2	9.6
20°-30°	192.2	14.5
30°-40°	231.2	17.4
40°-50°	240.1	18.1
50°-60°	217.7	16.4
60°-70°	164.8	12.4
70°-80°	90.0	6.8
80°-90°	19.2	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°	364.1	27.4
0°-40°	595.3	44.9
0°-60°	1053.1	79.4
0°-90°	1327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1327.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	474	
5°	472	45
15°	450	127
25°	416	192
35°	370	231
45°	312	240
55°	244	218
65°	167	165
75°	85	90
85°	14	19
90°	0	



TEST NUMBER: P364625

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BL89BW

CANDELA DISTRIBUTION (FULL):

0°	
0°	473.6
2.5°	471.7
5°	471.7
7.5°	467.8
10°	461.4
12.5°	458.2
15°	449.8
17.5°	443.4
20°	436.3
22.5°	428.0
25°	416.4
27.5°	406.1
30°	395.1
32.5°	382.9
35°	370.0
37.5°	355.2
40°	341.1
42.5°	326.9
45°	311.5
47.5°	295.4
50°	278.7
52.5°	261.9
55°	243.9
57.5°	225.2
60°	205.9
62.5°	186.6
65°	166.7
67.5°	146.7
70°	126.1
72.5°	105.5
75°	84.9
77.5°	65.0
80°	45.7
82.5°	29.0
85°	14.2
87.5°	4.5
90°	0.0

(END OF REPORT)