

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: P365957

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365957
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: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 765.1 lumens
Efficiency: N/A
Efficacy: 76.5 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

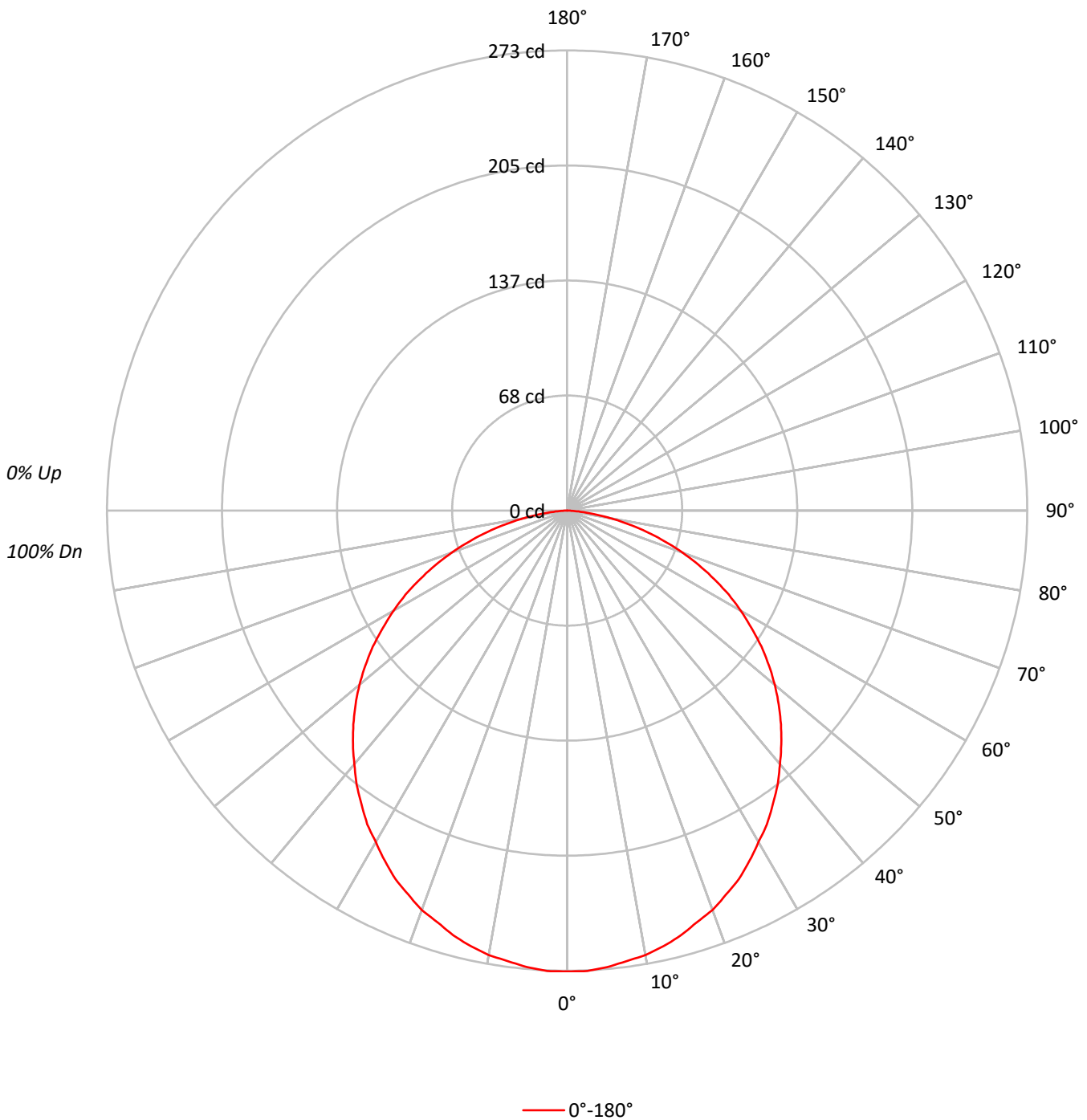
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365957

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW

Luminous Intensity Polar Plot





TEST NUMBER: P365957

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-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	76		82	78	74		79	75	72	70
3	90	80	71	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°	7468
5°	7455
10°	7425
15°	7378
20°	7331
25°	7270
30°	7163
35°	7093
40°	7003
45°	6930
50°	6833
55°	6701
60°	6506
65°	6224
70°	5814
75°	5161
80°	4121
85°	2507



TEST NUMBER: P365957

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	3.4
10°-20°	73.6	9.6
20°-30°	110.9	14.5
30°-40°	133.2	17.4
40°-50°	138.3	18.1
50°-60°	125.5	16.4
60°-70°	95.2	12.4
70°-80°	51.7	6.8
80°-90°	10.8	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°	210.3	27.5
0°-40°	343.5	44.9
0°-60°	607.3	79.4
0°-90°	765.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	273	
5°	272	26
15°	261	74
25°	241	111
35°	213	133
45°	179	138
55°	141	126
65°	96	95
75°	49	52
85°	8	11
90°	0	



TEST NUMBER: P365957

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW

CANDELA DISTRIBUTION (FULL):

	0°
0°	273.4
2.5°	273.4
5°	271.9
7.5°	269.6
10°	267.7
12.5°	264.7
15°	260.9
17.5°	256.0
20°	252.2
22.5°	246.5
25°	241.2
27.5°	234.3
30°	227.1
32.5°	220.7
35°	212.7
37.5°	205.1
40°	196.4
42.5°	188.1
45°	179.4
47.5°	170.3
50°	160.8
52.5°	150.9
55°	140.7
57.5°	129.7
60°	119.1
62.5°	108.1
65°	96.3
67.5°	84.6
70°	72.8
72.5°	60.7
75°	48.9
77.5°	37.2
80°	26.2
82.5°	16.3
85°	8.0
87.5°	2.3
90°	0.0

(END OF REPORT)