

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: P365703

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1940.0 lumens
Efficiency: N/A
Efficacy: 33.4 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

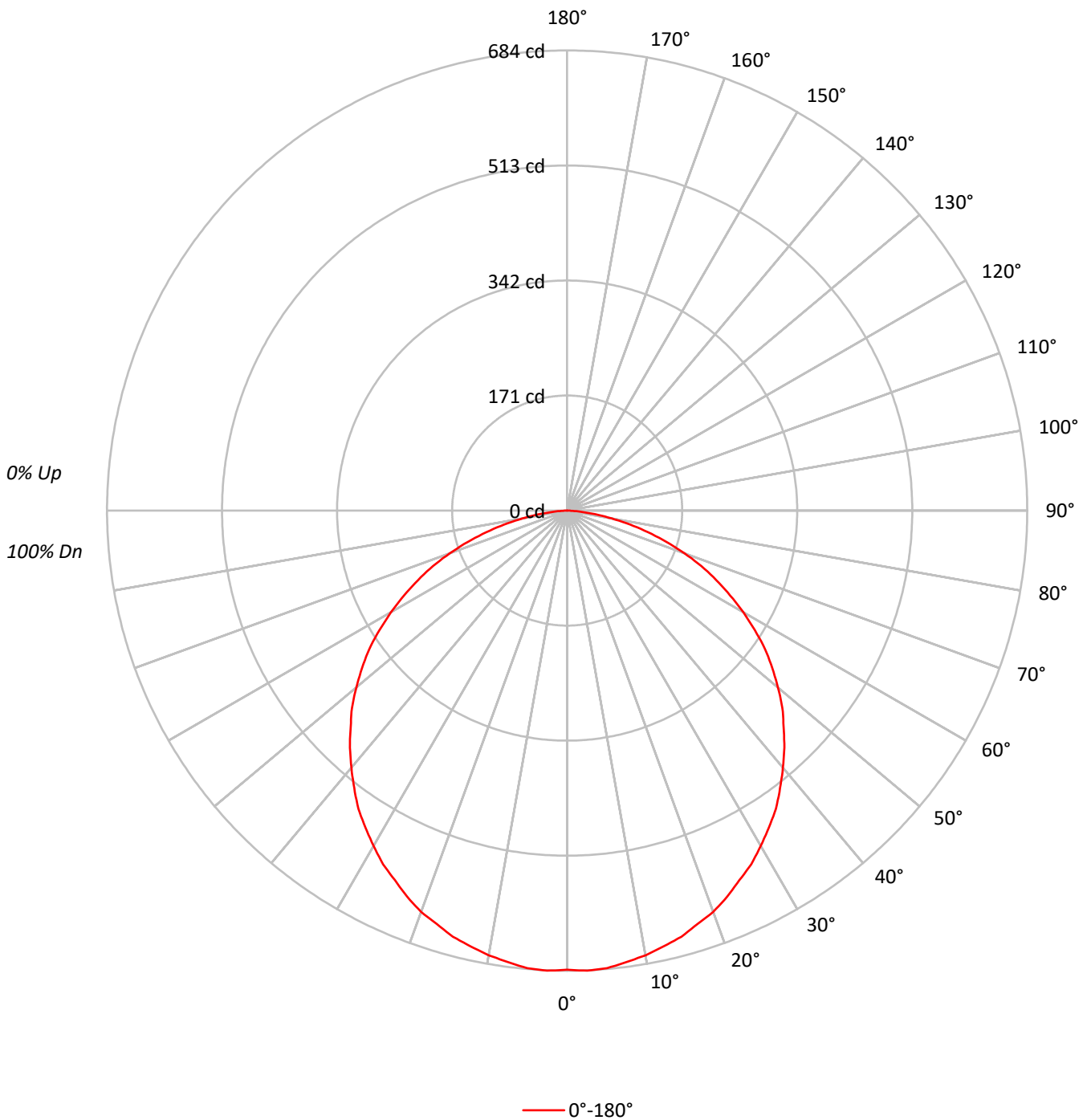
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365703

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89AM

Luminous Intensity Polar Plot





TEST NUMBER: P365703

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-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	82	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°	18645
5°	18717
10°	18614
15°	18545
20°	18453
25°	18267
30°	18152
35°	18043
40°	17793
45°	17576
50°	17389
55°	17116
60°	16504
65°	15816
70°	14815
75°	13118
80°	10524
85°	5986



TEST NUMBER: P365703

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89AM

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	3.3
10°-20°	184.9	9.5
20°-30°	279.9	14.4
30°-40°	337.8	17.4
40°-50°	351.6	18.1
50°-60°	319.9	16.5
60°-70°	241.9	12.5
70°-80°	132.0	6.8
80°-90°	27.3	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°	529.5	27.3
0°-40°	867.2	44.7
0°-60°	1538.7	79.3
0°-90°	1940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1940.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	683	
5°	683	65
15°	656	185
25°	606	280
35°	541	338
45°	455	352
55°	359	320
65°	245	242
75°	124	132
85°	19	27
90°	0	



TEST NUMBER: P365703

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89AM

CANDELA DISTRIBUTION (FULL):

	0°
0°	682.6
2.5°	684.5
5°	682.6
7.5°	676.8
10°	671.1
12.5°	663.4
15°	655.8
17.5°	644.3
20°	634.8
22.5°	621.4
25°	606.1
27.5°	592.7
30°	575.5
32.5°	558.3
35°	541.1
37.5°	520.0
40°	499.0
42.5°	478.0
45°	455.0
47.5°	434.0
50°	409.2
52.5°	384.3
55°	359.4
57.5°	330.8
60°	302.1
62.5°	273.4
65°	244.7
67.5°	216.0
70°	185.5
72.5°	154.9
75°	124.3
77.5°	95.6
80°	66.9
82.5°	42.1
85°	19.1
87.5°	5.7
90°	0.0

(END OF REPORT)