

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: P366423

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366423
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: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2133.0 lumens
Efficiency: N/A
Efficacy: 36.7 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

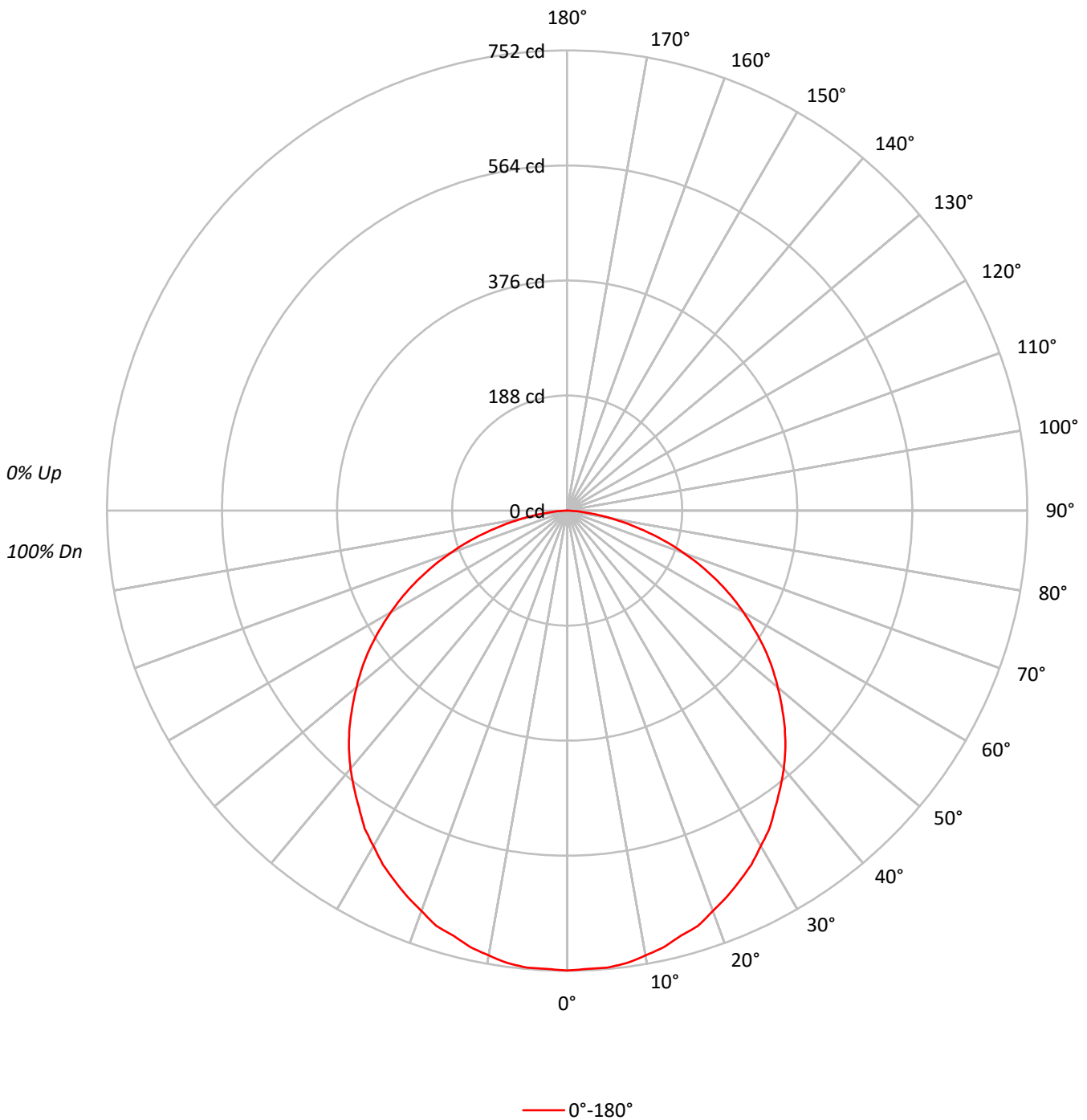
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366423

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

Luminous Intensity Polar Plot





TEST NUMBER: P366423

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-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°	20530
5°	20556
10°	20475
15°	20335
20°	20237
25°	20118
30°	19965
35°	19771
40°	19640
45°	19431
50°	19097
55°	18763
60°	18181
65°	17432
70°	16189
75°	14332
80°	11436
85°	6582



TEST NUMBER: P366423

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	3.3
10°-20°	203.4	9.5
20°-30°	307.8	14.4
30°-40°	371.6	17.4
40°-50°	387.5	18.2
50°-60°	351.4	16.5
60°-70°	266.4	12.5
70°-80°	144.2	6.8
80°-90°	29.6	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°	582.4	27.3
0°-40°	953.9	44.7
0°-60°	1692.9	79.4
0°-90°	2133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2133.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	752	
5°	750	71
15°	719	203
25°	668	308
35°	593	372
45°	503	388
55°	394	351
65°	270	266
75°	136	144
85°	21	30
90°	0	



TEST NUMBER: P366423

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	751.6
2.5°	749.7
5°	749.7
7.5°	745.9
10°	738.2
12.5°	730.6
15°	719.1
17.5°	711.5
20°	696.2
22.5°	682.8
25°	667.5
27.5°	652.2
30°	633.0
32.5°	615.8
35°	592.9
37.5°	571.8
40°	550.8
42.5°	527.9
45°	503.0
47.5°	476.2
50°	449.4
52.5°	422.7
55°	394.0
57.5°	363.4
60°	332.8
62.5°	302.2
65°	269.7
67.5°	237.2
70°	202.7
72.5°	170.2
75°	135.8
77.5°	103.3
80°	72.7
82.5°	45.9
85°	21.0
87.5°	5.7
90°	0.0

(END OF REPORT)