

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: P365744

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3289.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

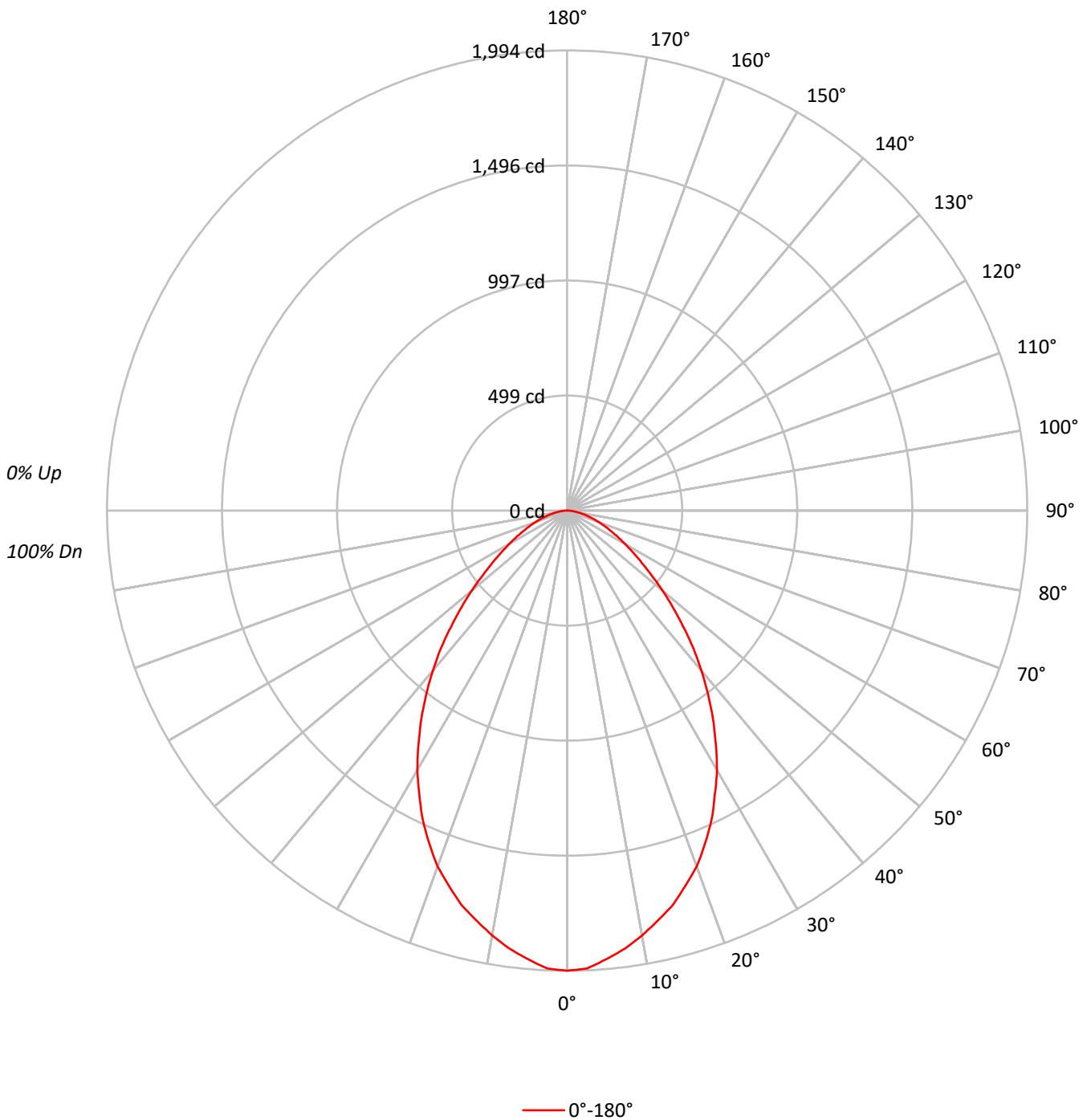
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365744

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82

Luminous Intensity Polar Plot





TEST NUMBER: P365744

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82

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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	142774
5°	140236
10°	135932
15°	131184
20°	125055
25°	116942
30°	107375
35°	96238
40°	84609
45°	72047
50°	60185
55°	49372
60°	41457
65°	35240
70°	30733
75°	25950
80°	21029
85°	16759



TEST NUMBER: P365744

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	5.6
10°-20°	496.2	15.1
20°-30°	677.8	20.6
30°-40°	687.0	20.9
40°-50°	550.9	16.7
50°-60°	358.9	10.9
60°-70°	209.6	6.4
70°-80°	100.8	3.1
80°-90°	24.2	0.7
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°	1357.8	41.3
0°-40°	2044.8	62.2
0°-60°	2954.5	89.8
0°-90°	3289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3289.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1994	
5°	1951	184
15°	1770	496
25°	1480	678
35°	1101	687
45°	712	551
55°	396	359
65°	208	210
75°	94	101
85°	20	24
90°	0	



TEST NUMBER: P365744

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR82

CANDELA DISTRIBUTION (FULL):

	0°
0°	1994.0
2.5°	1985.8
5°	1951.1
7.5°	1914.4
10°	1869.6
12.5°	1818.6
15°	1769.7
17.5°	1704.4
20°	1641.2
22.5°	1561.7
25°	1480.2
27.5°	1386.4
30°	1298.7
32.5°	1198.8
35°	1101.0
37.5°	1003.1
40°	905.2
42.5°	809.4
45°	711.5
47.5°	621.8
50°	540.3
52.5°	460.8
55°	395.5
57.5°	338.4
60°	289.5
62.5°	246.7
65°	208.0
67.5°	175.3
70°	146.8
72.5°	118.3
75°	93.8
77.5°	71.4
80°	51.0
82.5°	34.7
85°	20.4
87.5°	8.2
90°	0.0

(END OF REPORT)