

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: P365024

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
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-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4450.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

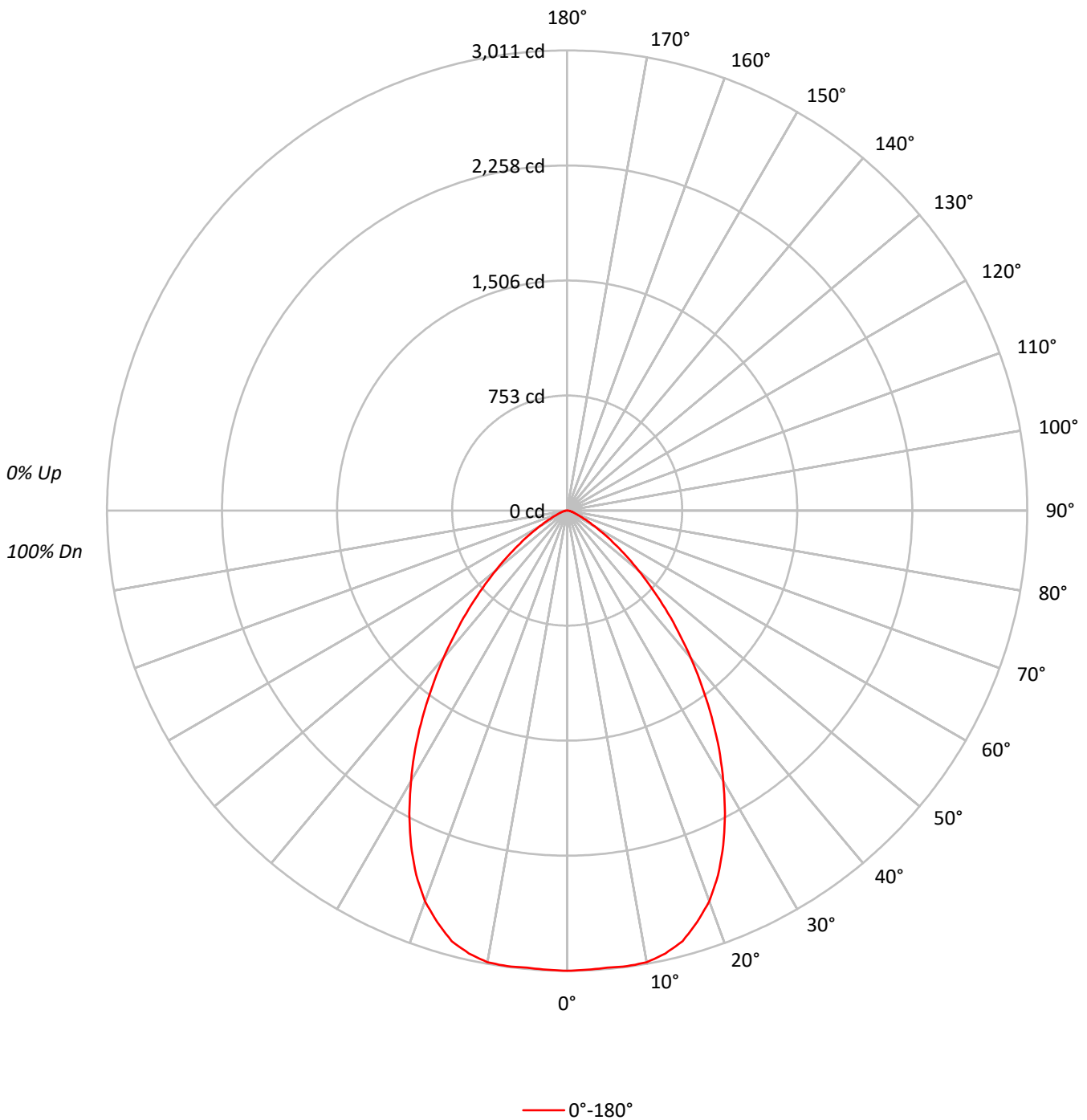
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365024

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

Luminous Intensity Polar Plot





TEST NUMBER: P365024

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	215600
5°	215835
10°	218185
15°	216260
20°	207233
25°	190889
30°	168946
35°	144060
40°	117678
45°	92005
50°	67849
55°	47050
60°	30044
65°	18298
70°	12373
75°	9572
80°	8412
85°	11748



TEST NUMBER: P365024

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.8	6.4
10°-20°	815.8	18.3
20°-30°	1103.5	24.8
30°-40°	1026.5	23.1
40°-50°	703.3	15.8
50°-60°	346.6	7.8
60°-70°	115.8	2.6
70°-80°	38.4	0.9
80°-90°	13.3	0.3
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°	2206.1	49.6
0°-40°	3232.6	72.6
0°-60°	4282.5	96.2
0°-90°	4450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4450.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3011	
5°	3003	287
15°	2917	816
25°	2416	1103
35°	1648	1026
45°	909	703
55°	377	347
65°	108	116
75°	35	38
85°	14	13
90°	0	



TEST NUMBER: P365024

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	3011.1
2.5°	3007.0
5°	3002.9
7.5°	3007.0
10°	3000.9
12.5°	2968.3
15°	2917.4
17.5°	2823.6
20°	2719.7
22.5°	2581.2
25°	2416.2
27.5°	2236.9
30°	2043.4
32.5°	1849.8
35°	1648.1
37.5°	1448.5
40°	1259.0
42.5°	1075.7
45°	908.6
47.5°	749.7
50°	609.1
52.5°	486.9
55°	376.9
57.5°	287.3
60°	209.8
62.5°	150.8
65°	108.0
67.5°	77.4
70°	59.1
72.5°	44.8
75°	34.6
77.5°	26.5
80°	20.4
82.5°	16.3
85°	14.3
87.5°	8.1
90°	0.0

(END OF REPORT)