

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: P365689

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2842.0 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

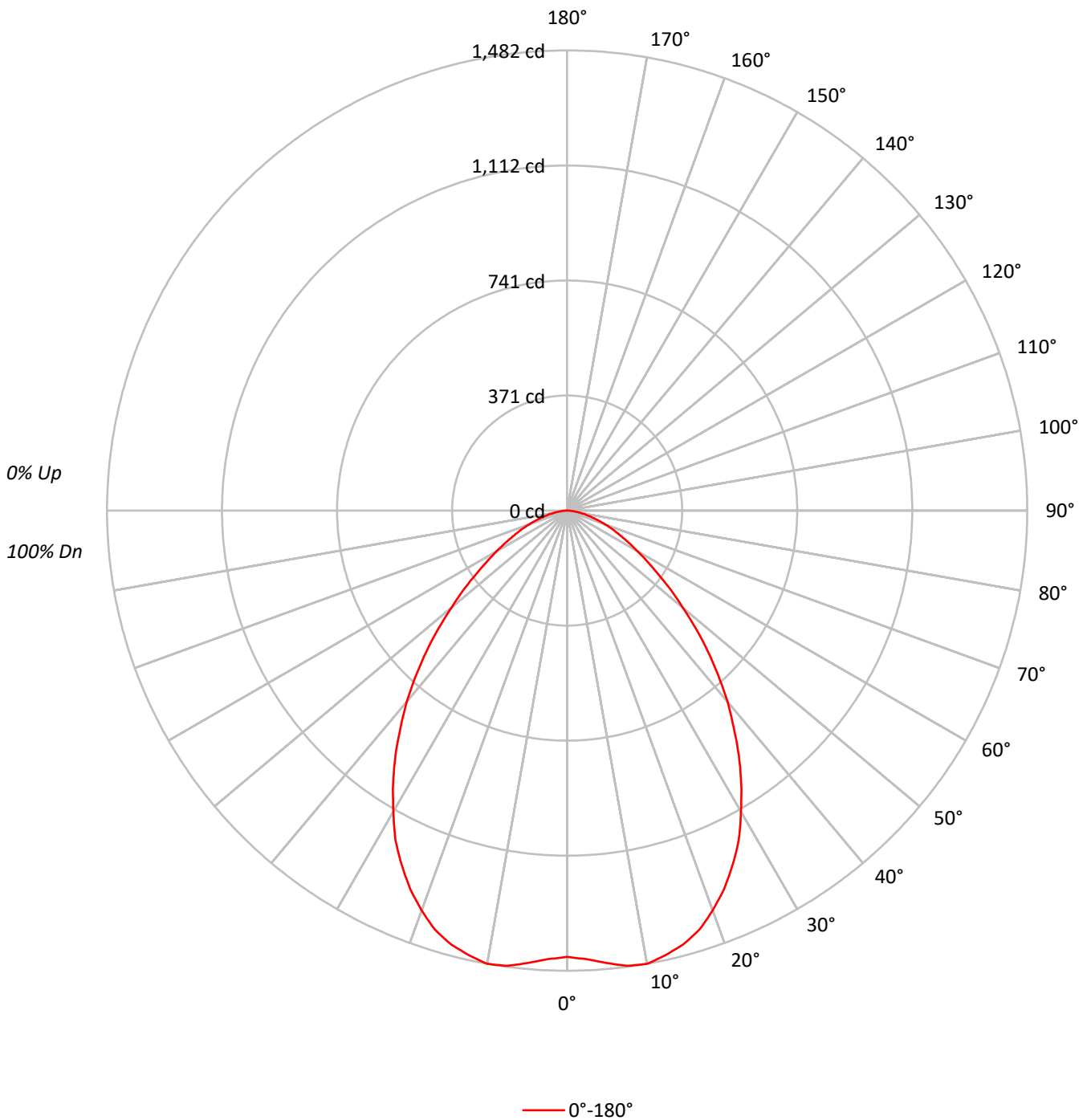
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365689

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR81

Luminous Intensity Polar Plot





TEST NUMBER: P365689

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR81

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	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102906
5°	105118
10°	107780
15°	107203
20°	104421
25°	99569
30°	92551
35°	84280
40°	75103
45°	64908
50°	54103
55°	44853
60°	37491
65°	31818
70°	27215
75°	22464
80°	17854
85°	13309



TEST NUMBER: P365689

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR81

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	4.9
10°-20°	406.2	14.3
20°-30°	577.8	20.3
30°-40°	600.8	21.1
40°-50°	493.7	17.4
50°-60°	326.1	11.5
60°-70°	188.9	6.6
70°-80°	88.0	3.1
80°-90°	20.1	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°	1124.3	39.6
0°-40°	1725.1	60.7
0°-60°	2544.9	89.5
0°-90°	2842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2842.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1437	
5°	1462	140
15°	1446	406
25°	1260	578
35°	964	601
45°	641	494
55°	359	326
65°	188	189
75°	81	88
85°	16	20
90°	0	



TEST NUMBER: P365689

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR81

CANDELA DISTRIBUTION (FULL):

	0°
0°	1437.2
2.5°	1446.2
5°	1462.5
7.5°	1478.7
10°	1482.4
12.5°	1466.1
15°	1446.2
17.5°	1415.5
20°	1370.4
22.5°	1319.9
25°	1260.3
27.5°	1197.1
30°	1119.4
32.5°	1043.6
35°	964.2
37.5°	881.1
40°	803.5
42.5°	720.4
45°	641.0
47.5°	561.5
50°	485.7
52.5°	422.5
55°	359.3
57.5°	306.9
60°	261.8
62.5°	222.1
65°	187.8
67.5°	158.9
70°	130.0
72.5°	104.7
75°	81.2
77.5°	61.4
80°	43.3
82.5°	28.9
85°	16.2
87.5°	7.2
90°	0.0

(END OF REPORT)