

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: P365697

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3212.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

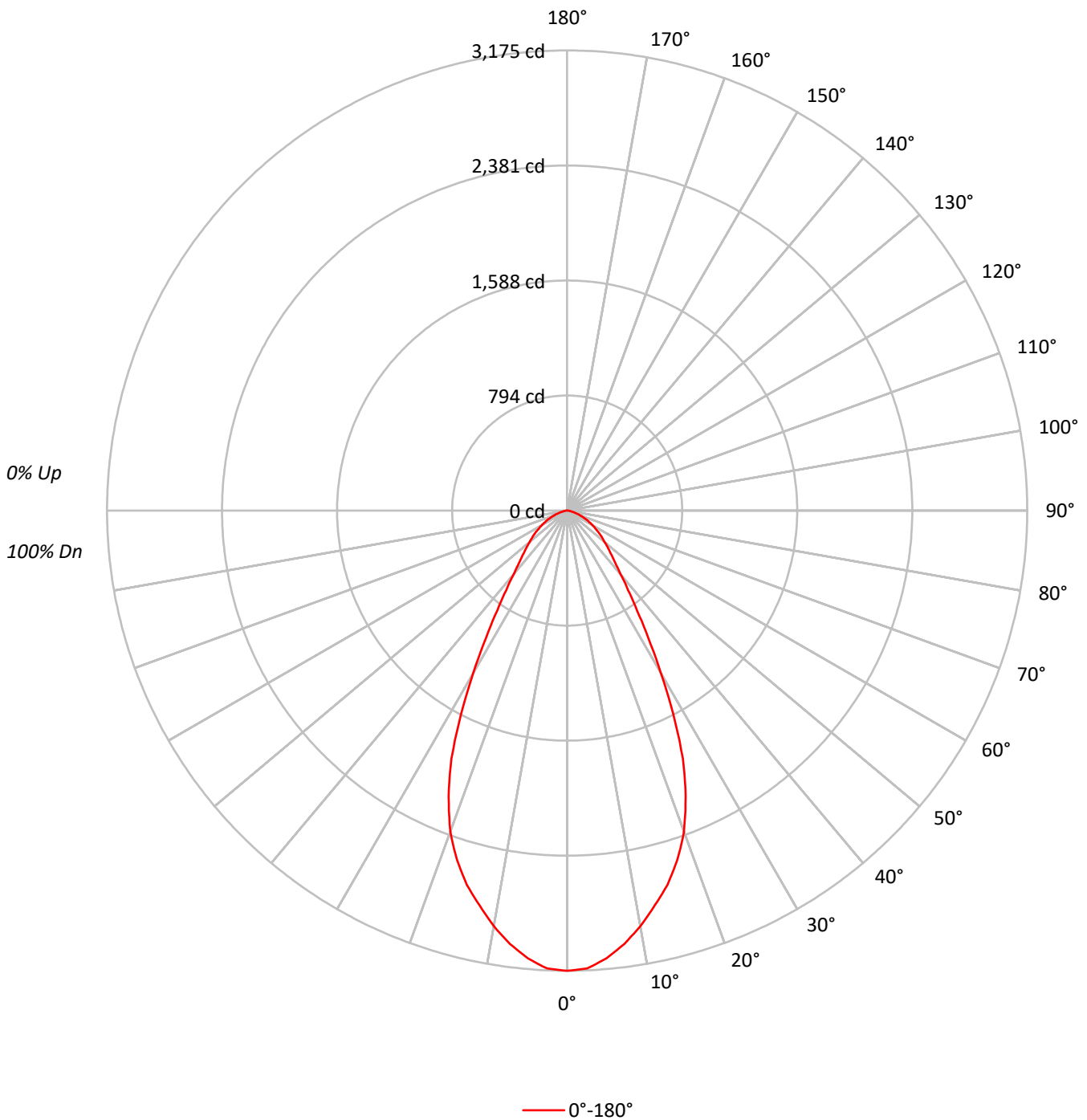
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365697

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P365697

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR94

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	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	227343
5°	222893
10°	211692
15°	198166
20°	179627
25°	149167
30°	107003
35°	73372
40°	53820
45°	43684
50°	37606
55°	33356
60°	28956
65°	24465
70°	19281
75°	13971
80°	8948
85°	10351



TEST NUMBER: P365697

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	9.0
10°-20°	745.2	23.2
20°-30°	846.1	26.3
30°-40°	541.5	16.9
40°-50°	338.3	10.5
50°-60°	239.6	7.5
60°-70°	143.3	4.5
70°-80°	55.8	1.7
80°-90°	12.3	0.4
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°	1881.2	58.6
0°-40°	2422.7	75.4
0°-60°	3000.6	93.4
0°-90°	3212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3212.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3175	
5°	3101	290
15°	2673	745
25°	1888	846
35°	839	542
45°	431	338
55°	267	240
65°	144	143
75°	50	56
85°	13	12
90°	0	



TEST NUMBER: P365697

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR94

CANDELA DISTRIBUTION (FULL):

	0°
0°	3175.1
2.5°	3162.5
5°	3101.1
7.5°	3016.3
10°	2911.6
12.5°	2790.7
15°	2673.3
17.5°	2527.1
20°	2357.4
22.5°	2137.2
25°	1888.1
27.5°	1586.7
30°	1294.2
32.5°	1039.7
35°	839.4
37.5°	689.5
40°	575.8
42.5°	491.0
45°	431.4
47.5°	380.9
50°	337.6
52.5°	303.3
55°	267.2
57.5°	232.9
60°	202.2
62.5°	171.5
65°	144.4
67.5°	117.3
70°	92.1
72.5°	70.4
75°	50.5
77.5°	34.3
80°	21.7
82.5°	14.4
85°	12.6
87.5°	7.2
90°	0.0

(END OF REPORT)