

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: P365688

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3131.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

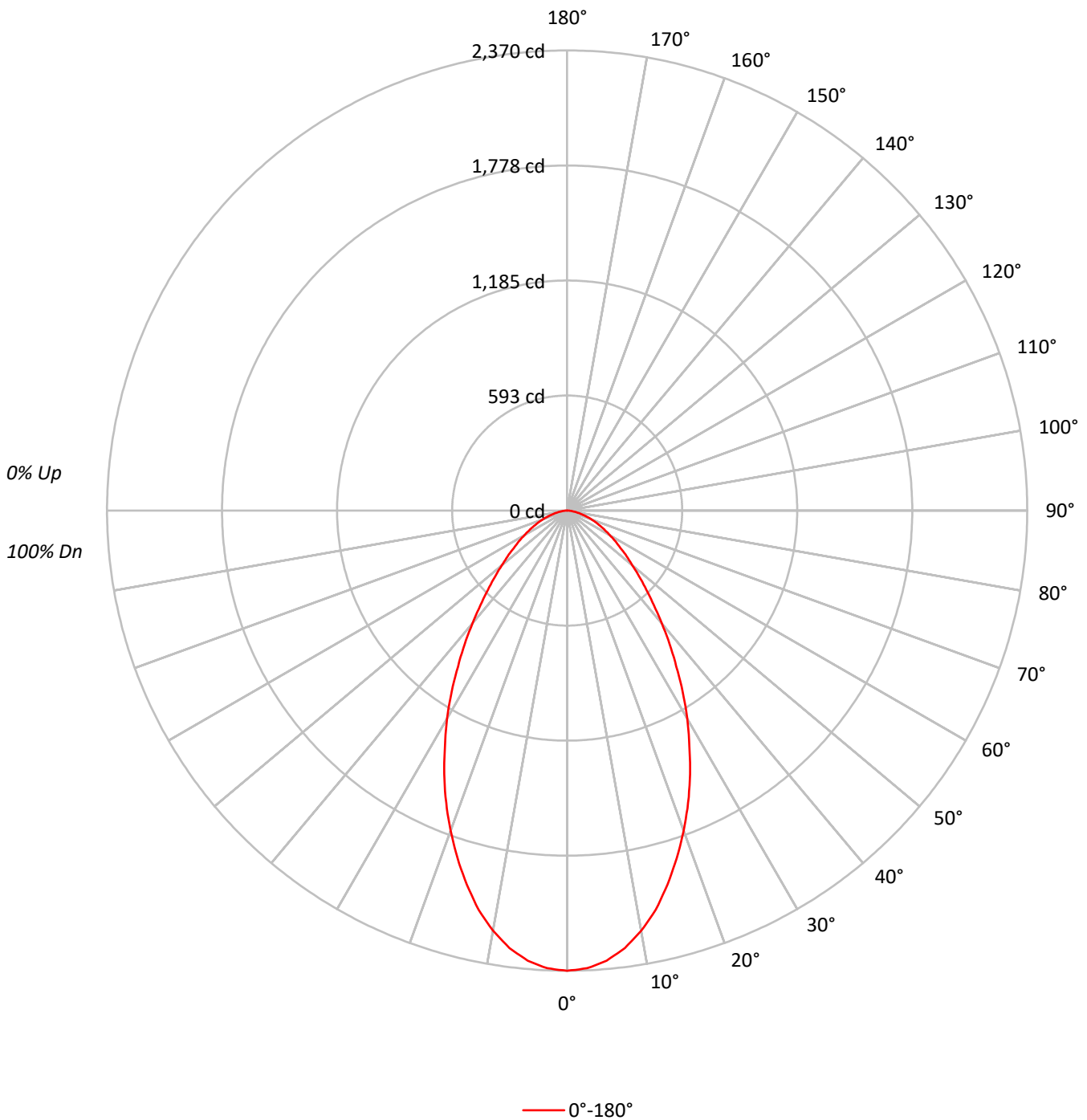
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365688

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P365688

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR80

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	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169711
5°	167240
10°	159729
15°	147863
20°	133695
25°	118372
30°	102232
35°	85679
40°	70869
45°	58488
50°	48868
55°	41919
60°	36445
65°	32106
70°	27969
75°	23460
80°	19339
85°	14870



TEST NUMBER: P365688

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.0	7.0
10°-20°	557.2	17.8
20°-30°	685.5	21.9
30°-40°	614.6	19.6
40°-50°	449.8	14.4
50°-60°	304.1	9.7
60°-70°	188.9	6.0
70°-80°	91.3	2.9
80°-90°	21.6	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°	1460.7	46.7
0°-40°	2075.3	66.3
0°-60°	2829.1	90.4
0°-90°	3131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3131.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2370	
5°	2327	218
15°	1995	557
25°	1498	685
35°	980	615
45°	578	450
55°	336	304
65°	190	189
75°	85	91
85°	18	22
90°	0	



TEST NUMBER: P365688

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR80

CANDELA DISTRIBUTION (FULL):

	0°
0°	2370.2
2.5°	2359.3
5°	2326.8
7.5°	2272.7
10°	2196.9
12.5°	2106.6
15°	1994.7
17.5°	1877.4
20°	1754.6
22.5°	1628.2
25°	1498.3
27.5°	1362.9
30°	1236.5
32.5°	1106.6
35°	980.2
37.5°	866.5
40°	758.2
42.5°	660.7
45°	577.6
47.5°	503.6
50°	438.7
52.5°	386.3
55°	335.8
57.5°	294.2
60°	254.5
62.5°	220.2
65°	189.5
67.5°	160.7
70°	133.6
72.5°	108.3
75°	84.8
77.5°	63.2
80°	46.9
82.5°	30.7
85°	18.1
87.5°	7.2
90°	0.0

(END OF REPORT)