

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: P365659

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3023.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

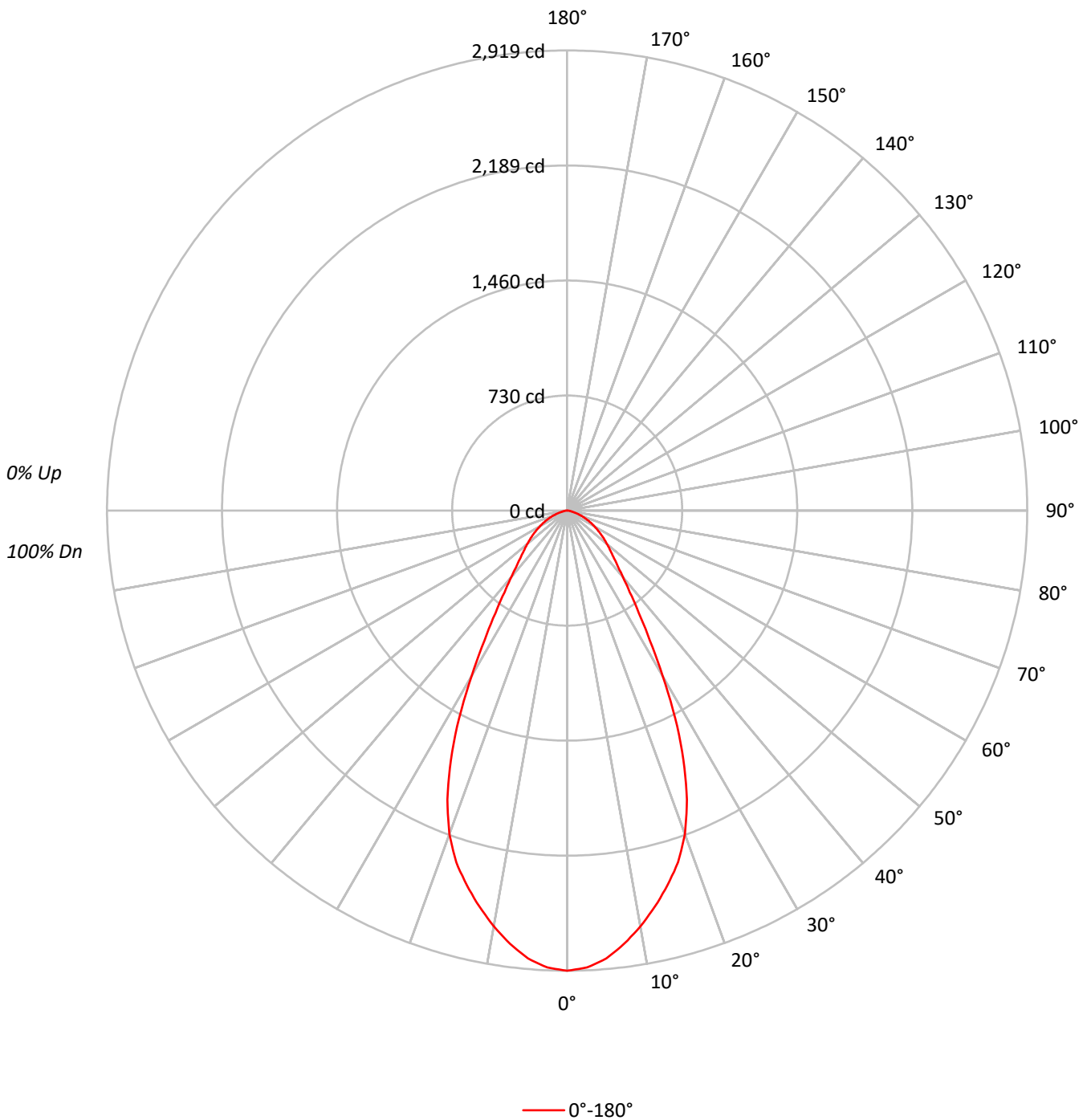
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365659

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR89BI

Luminous Intensity Polar Plot





TEST NUMBER: P365659

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR89BI

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	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81					81			
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74					74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67					67			
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61					61			
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56					56			
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52					52			
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48					48			
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45					45			
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42					42			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	208984
5°	205017
10°	194708
15°	182347
20°	166430
25°	137965
30°	100107
35°	69229
40°	51203
45°	41871
50°	36726
55°	32669
60°	28483
65°	24245
70°	19365
75°	13998
80°	10061
85°	11502



TEST NUMBER: P365659

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR89BI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.6	8.8
10°-20°	687.8	22.8
20°-30°	786.7	26.0
30°-40°	510.1	16.9
40°-50°	325.2	10.8
50°-60°	234.2	7.7
60°-70°	142.4	4.7
70°-80°	56.7	1.9
80°-90°	13.3	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°	1741.1	57.6
0°-40°	2251.1	74.5
0°-60°	2810.6	93.0
0°-90°	3023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3023.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2919	
5°	2852	267
15°	2460	688
25°	1746	787
35°	792	510
45°	414	325
55°	262	234
65°	143	142
75°	51	57
85°	14	13
90°	0	



TEST NUMBER: P365659

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR89BI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2918.7
2.5°	2901.3
5°	2852.4
7.5°	2772.2
10°	2678.0
12.5°	2573.3
15°	2459.9
17.5°	2339.5
20°	2184.2
22.5°	1985.4
25°	1746.3
27.5°	1484.7
30°	1210.8
32.5°	975.2
35°	792.0
37.5°	652.5
40°	547.8
42.5°	471.0
45°	413.5
47.5°	368.1
50°	329.7
52.5°	294.8
55°	261.7
57.5°	228.5
60°	198.9
62.5°	171.0
65°	143.1
67.5°	116.9
70°	92.5
72.5°	71.5
75°	50.6
77.5°	34.9
80°	24.4
82.5°	15.7
85°	14.0
87.5°	7.0
90°	0.0

(END OF REPORT)