

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: P364950

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4083.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

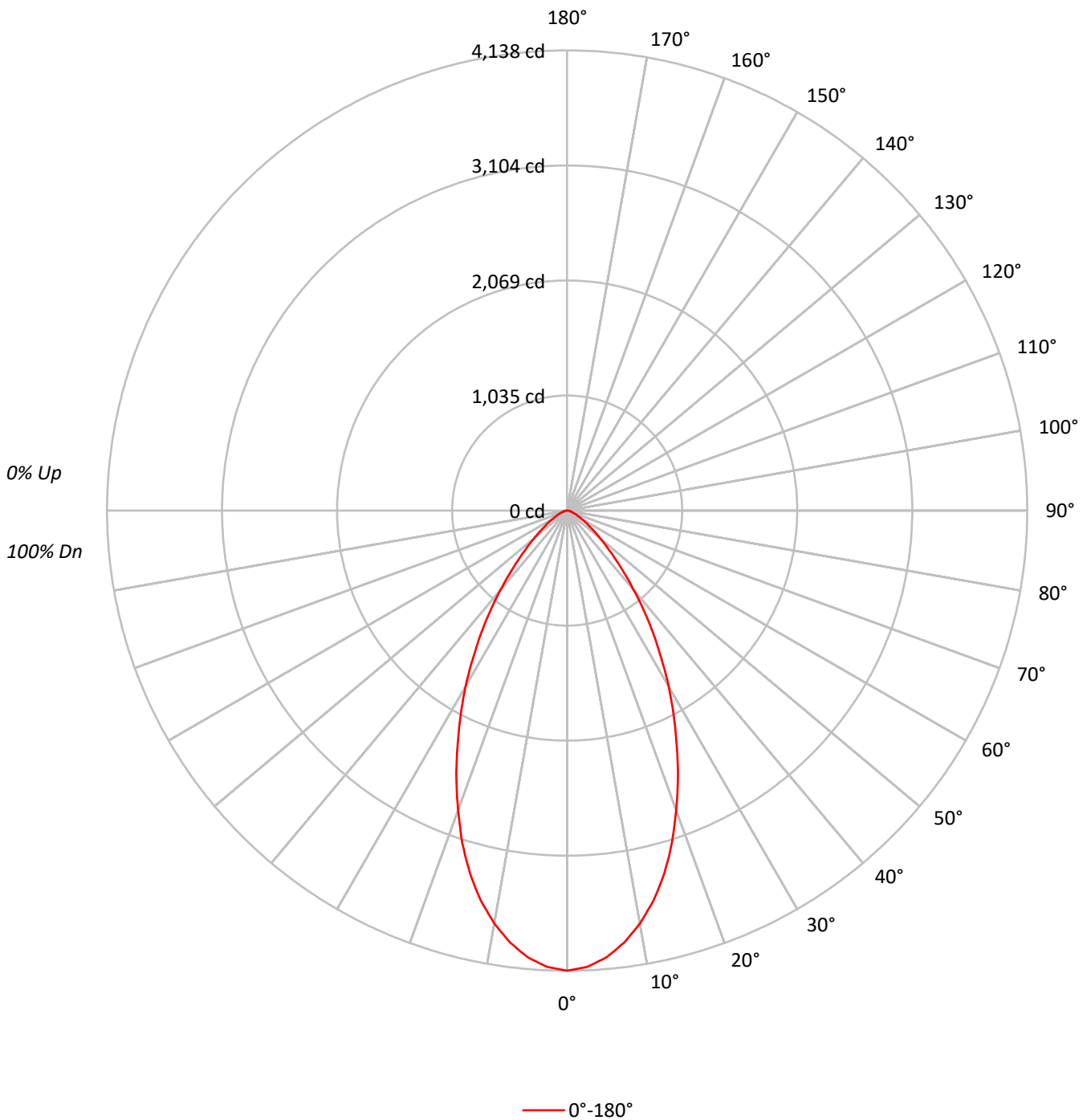
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364950

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P364950

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296260
5°	289916
10°	274045
15°	250255
20°	218289
25°	184269
30°	151004
35°	118038
40°	87001
45°	61232
50°	43198
55°	30584
60°	21710
65°	16129
70°	12540
75°	10236
80°	9443
85°	10105



TEST NUMBER: P364950

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.6	9.2
10°-20°	937.7	23.0
20°-30°	1068.3	26.2
30°-40°	843.2	20.7
40°-50°	479.2	11.7
50°-60°	226.1	5.5
60°-70°	97.9	2.4
70°-80°	40.6	1.0
80°-90°	13.2	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°	2382.7	58.4
0°-40°	3225.9	79.0
0°-60°	3931.3	96.3
0°-90°	4083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4083.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4138	
5°	4034	377
15°	3376	938
25°	2332	1068
35°	1350	843
45°	605	479
55°	245	226
65°	95	98
75°	37	41
85°	12	13
90°	0	



TEST NUMBER: P364950

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR80

CANDELA DISTRIBUTION (FULL):

	0°
0°	4137.6
2.5°	4107.6
5°	4033.6
7.5°	3919.0
10°	3769.2
12.5°	3589.3
15°	3376.0
17.5°	3134.5
20°	2864.8
22.5°	2603.9
25°	2332.4
27.5°	2073.2
30°	1826.4
32.5°	1576.1
35°	1350.4
37.5°	1133.6
40°	930.8
42.5°	758.1
45°	604.7
47.5°	483.0
50°	387.8
52.5°	308.5
55°	245.0
57.5°	193.9
60°	151.6
62.5°	119.9
65°	95.2
67.5°	75.8
70°	59.9
72.5°	47.6
75°	37.0
77.5°	28.2
80°	22.9
82.5°	17.6
85°	12.3
87.5°	7.1
90°	0.0

(END OF REPORT)