

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: P364903

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3587.1 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

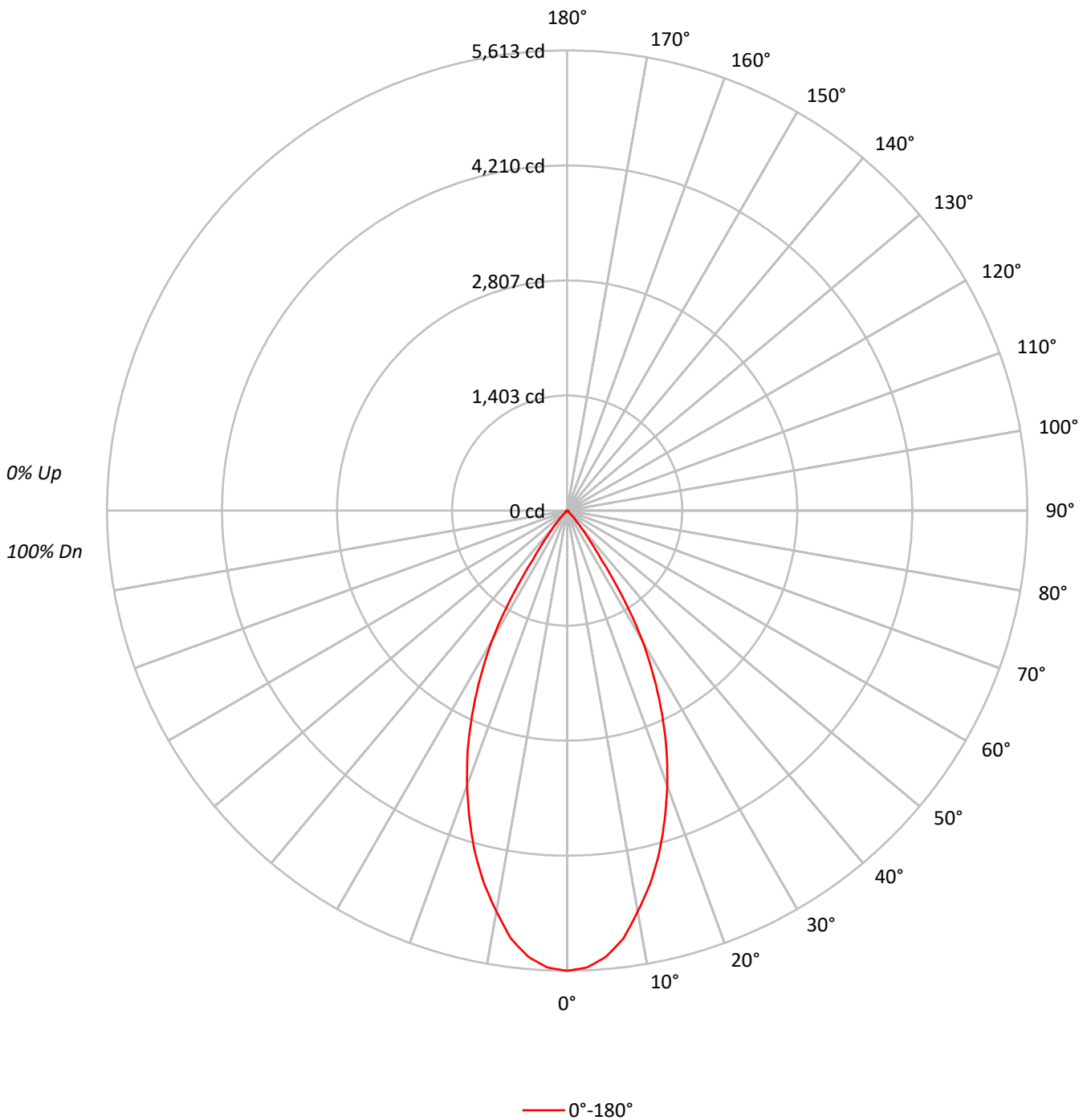
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	401930
5°	392590
10°	360835
15°	321136
20°	272008
25°	216305
30°	152079
35°	63468
40°	21919
45°	5671
50°	2863
55°	2646
60°	2606
65°	2558
70°	2533
75°	3347
80°	3752
85°	6244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.7	14.1
10°-20°	1200.1	33.5
20°-30°	1238.3	34.5
30°-40°	526.7	14.7
40°-50°	63.2	1.8
50°-60°	19.1	0.5
60°-70°	15.0	0.4
70°-80°	12.0	0.3
80°-90°	7.0	0.2
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°	2944.0	82.1
0°-40°	3470.7	96.8
0°-60°	3553.1	99.1
0°-90°	3587.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3587.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5613	
5°	5462	506
15°	4332	1200
25°	2738	1238
35°	726	527
45°	56	63
55°	21	19
65°	15	15
75°	12	12
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5613.4
2.5°	5577.1
5°	5462.1
7.5°	5262.4
10°	4962.9
12.5°	4668.0
15°	4332.2
17.5°	3954.0
20°	3569.8
22.5°	3169.0
25°	2737.9
27.5°	2293.1
30°	1839.4
32.5°	1303.9
35°	726.1
37.5°	417.5
40°	234.5
42.5°	121.0
45°	56.0
47.5°	30.3
50°	25.7
52.5°	22.7
55°	21.2
57.5°	19.7
60°	18.2
62.5°	16.6
65°	15.1
67.5°	13.6
70°	12.1
72.5°	12.1
75°	12.1
77.5°	10.6
80°	9.1
82.5°	9.1
85°	7.6
87.5°	4.5
90°	0.0

(END OF REPORT)