

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: P366372

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3953.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

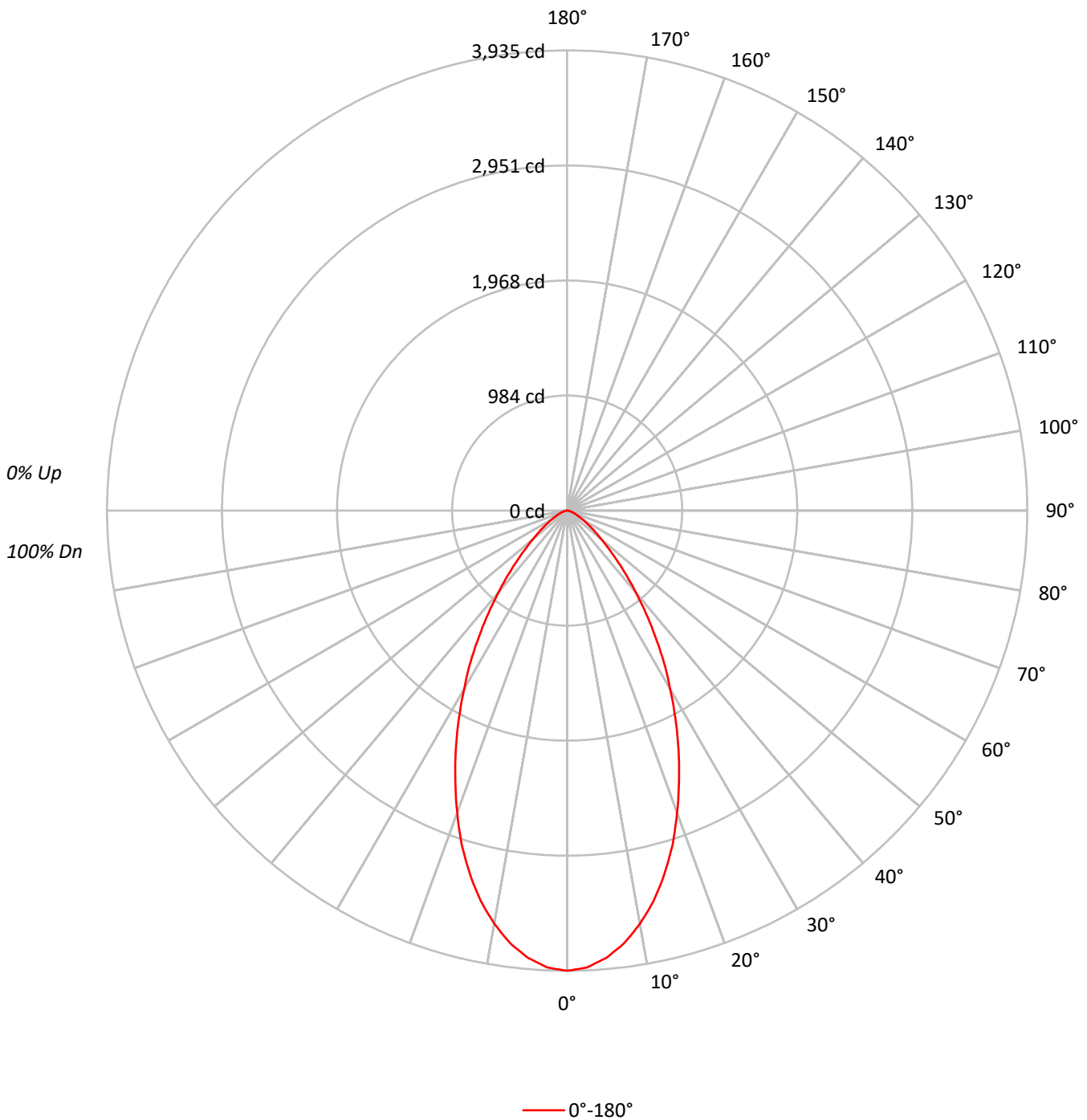
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	281732
5°	275915
10°	260842
15°	238402
20°	209443
25°	178027
30°	145639
35°	114647
40°	85422
45°	60574
50°	42741
55°	30697
60°	21982
65°	15960
70°	12414
75°	10125
80°	8618
85°	8626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.5	9.1
10°-20°	894.9	22.6
20°-30°	1029.4	26.0
30°-40°	821.4	20.8
40°-50°	473.5	12.0
50°-60°	225.7	5.7
60°-70°	97.7	2.5
70°-80°	40.0	1.0
80°-90°	11.9	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°	2282.9	57.8
0°-40°	3104.3	78.5
0°-60°	3803.5	96.2
0°-90°	3953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3953.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3935	
5°	3839	359
15°	3216	895
25°	2253	1029
35°	1312	821
45°	598	474
55°	246	226
65°	94	98
75°	37	40
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3934.7
2.5°	3910.3
5°	3838.8
7.5°	3732.4
10°	3587.6
12.5°	3418.5
15°	3216.1
17.5°	2996.4
20°	2748.7
22.5°	2499.3
25°	2253.4
27.5°	2004.0
30°	1761.5
32.5°	1540.0
35°	1311.6
37.5°	1107.5
40°	913.9
42.5°	748.2
45°	598.2
47.5°	479.6
50°	383.7
52.5°	307.0
55°	245.9
57.5°	193.6
60°	153.5
62.5°	120.3
65°	94.2
67.5°	75.0
70°	59.3
72.5°	47.1
75°	36.6
77.5°	27.9
80°	20.9
82.5°	15.7
85°	10.5
87.5°	7.0
90°	0.0

(END OF REPORT)