

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: P366343

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-WMH-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3517.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

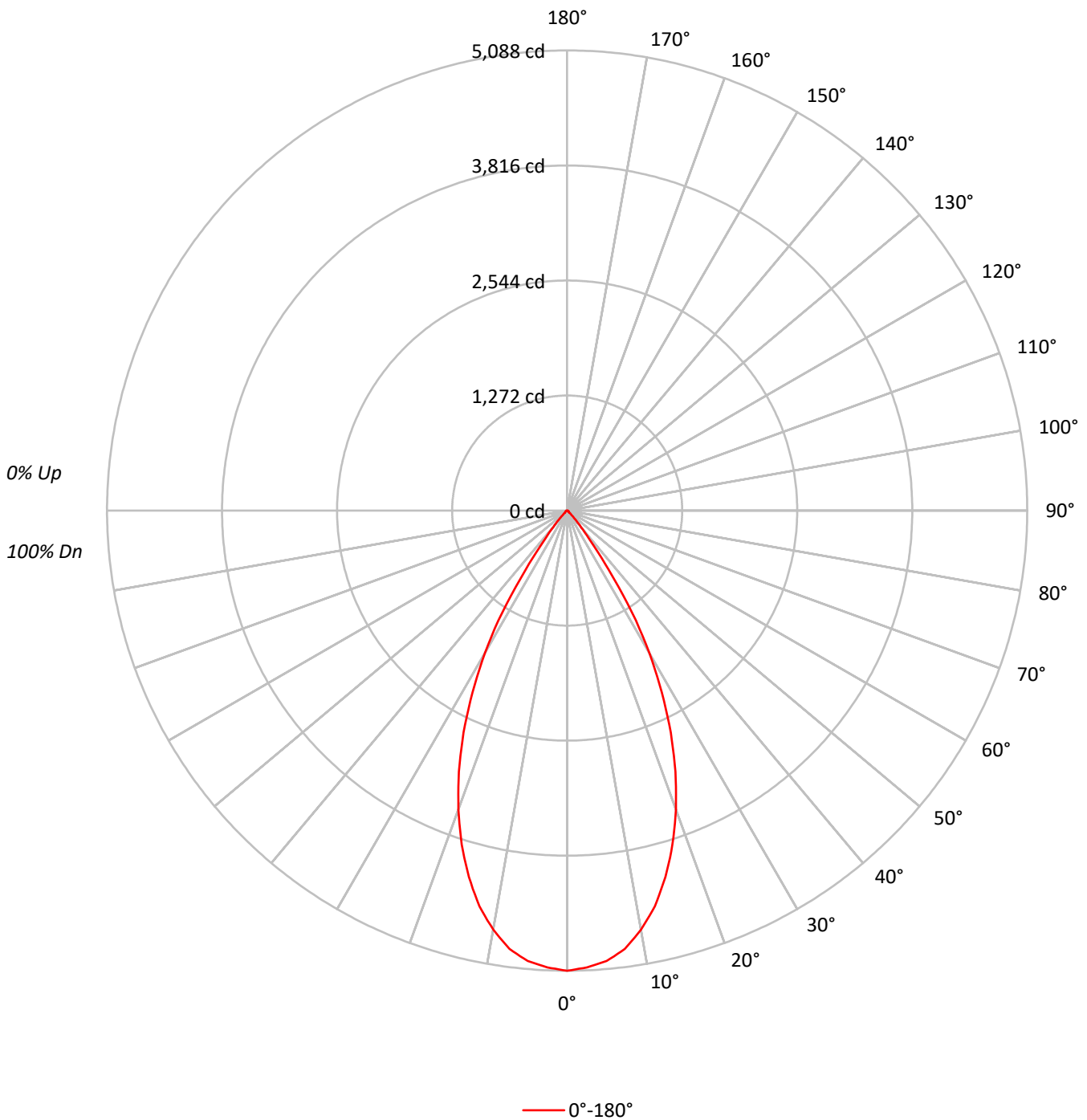
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	364303
5°	359391
10°	342091
15°	310988
20°	267795
25°	214069
30°	150103
35°	69823
40°	22059
45°	6896
50°	3030
55°	2834
60°	2606
65°	2304
70°	2533
75°	2932
80°	3752
85°	6244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.1	13.3
10°-20°	1163.3	33.1
20°-30°	1222.9	34.8
30°-40°	542.6	15.4
40°-50°	67.9	1.9
50°-60°	20.3	0.6
60°-70°	14.2	0.4
70°-80°	11.2	0.3
80°-90°	6.6	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°	2854.3	81.2
0°-40°	3396.8	96.6
0°-60°	3485.0	99.1
0°-90°	3517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3517.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5088	
5°	5000	468
15°	4195	1163
25°	2710	1223
35°	799	543
45°	68	68
55°	23	20
65°	14	14
75°	11	11
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5087.9
2.5°	5054.6
5°	5000.2
7.5°	4888.2
10°	4705.1
12.5°	4481.2
15°	4195.3
17.5°	3873.0
20°	3514.5
22.5°	3125.7
25°	2709.6
27.5°	2267.8
30°	1815.5
32.5°	1335.9
35°	798.8
37.5°	425.1
40°	236.0
42.5°	128.6
45°	68.1
47.5°	33.3
50°	27.2
52.5°	24.2
55°	22.7
57.5°	21.2
60°	18.2
62.5°	16.6
65°	13.6
67.5°	12.1
70°	12.1
72.5°	10.6
75°	10.6
77.5°	10.6
80°	9.1
82.5°	7.6
85°	7.6
87.5°	4.5
90°	0.0

(END OF REPORT)