

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: P366397

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366397
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-FEU6B35-8040-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: 3790.0 lumens
Efficiency: N/A
Efficacy: 68.8 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

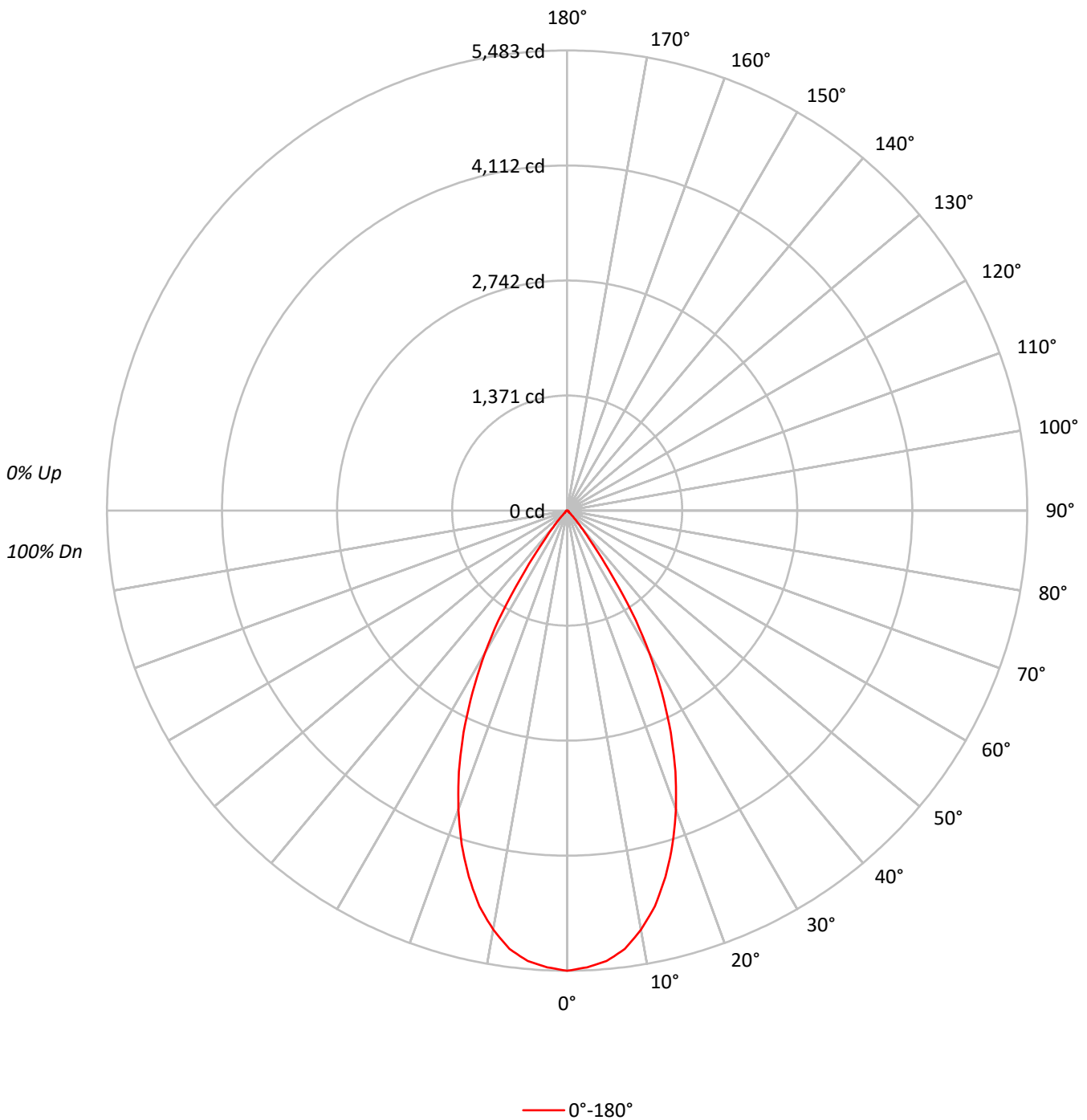
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	392579
5°	387286
10°	368651
15°	335124
20°	288581
25°	230684
30°	161753
35°	75242
40°	23769
45°	7433
50°	3264
55°	3058
60°	2807
65°	2491
70°	2722
75°	3154
80°	4041
85°	6737



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.4	13.3
10°-20°	1253.6	33.1
20°-30°	1317.9	34.8
30°-40°	584.7	15.4
40°-50°	73.1	1.9
50°-60°	21.9	0.6
60°-70°	15.3	0.4
70°-80°	12.1	0.3
80°-90°	7.1	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°	3075.8	81.2
0°-40°	3660.5	96.6
0°-60°	3755.5	99.1
0°-90°	3790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3790.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5483	
5°	5388	504
15°	4521	1254
25°	2920	1318
35°	861	585
45°	73	73
55°	24	22
65°	15	15
75°	11	12
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5482.8
2.5°	5447.0
5°	5388.3
7.5°	5267.6
10°	5070.4
12.5°	4829.1
15°	4520.9
17.5°	4173.7
20°	3787.3
22.5°	3368.3
25°	2919.9
27.5°	2443.9
30°	1956.4
32.5°	1439.6
35°	860.8
37.5°	458.1
40°	254.3
42.5°	138.6
45°	73.4
47.5°	35.9
50°	29.3
52.5°	26.1
55°	24.5
57.5°	22.8
60°	19.6
62.5°	17.9
65°	14.7
67.5°	13.0
70°	13.0
72.5°	11.4
75°	11.4
77.5°	11.4
80°	9.8
82.5°	8.2
85°	8.2
87.5°	4.9
90°	0.0

(END OF REPORT)