

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: P364955

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
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-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3835.1 lumens
Efficiency: N/A
Efficacy: 69.6 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

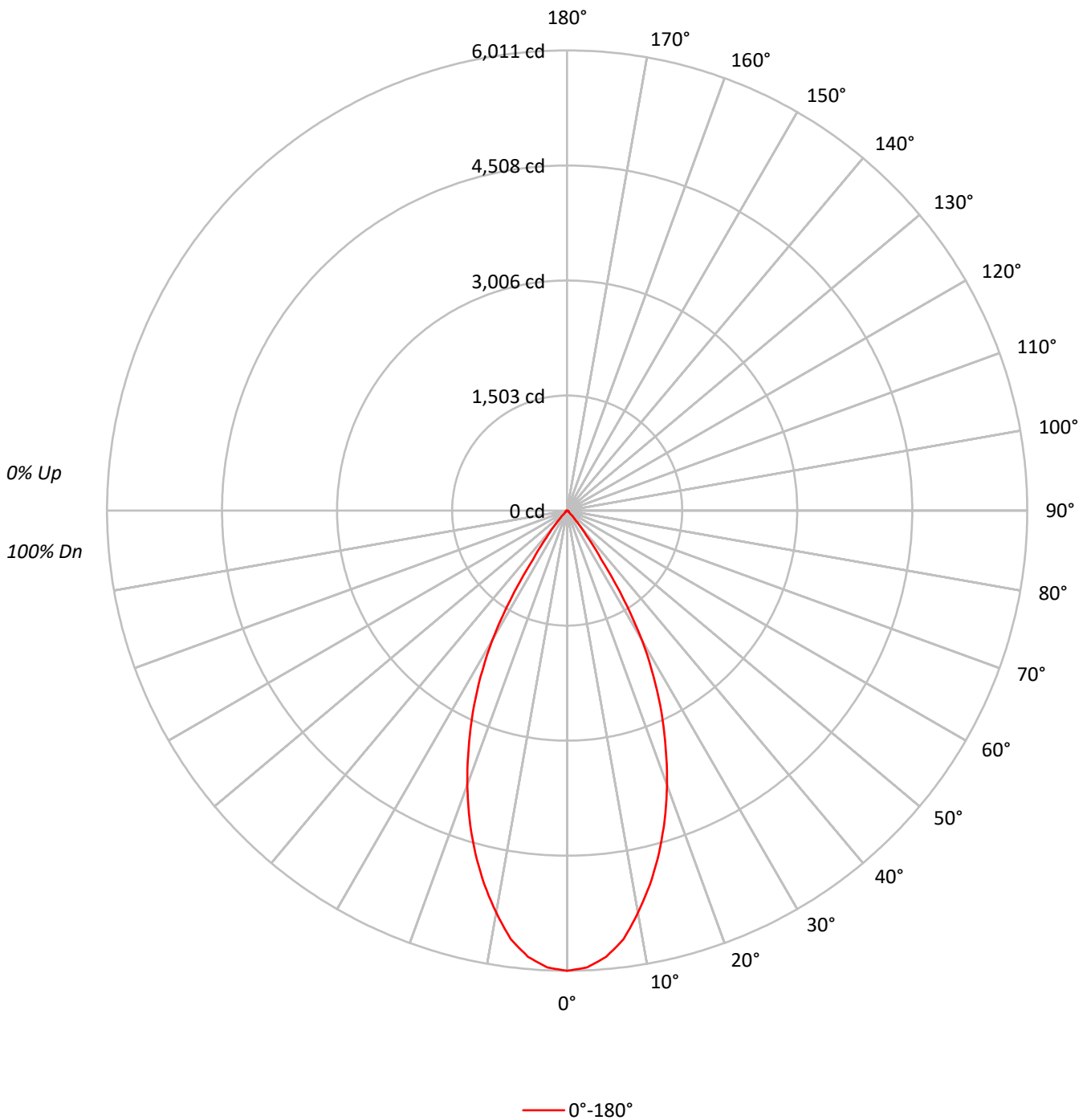
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	78
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°	430427
5°	420622
10°	387765
15°	343448
20°	290776
25°	230367
30°	161885
35°	67428
40°	23134
45°	6177
50°	3397
55°	3171
60°	2907
65°	2880
70°	2847
75°	3292
80°	4206
85°	6983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.3	14.1
10°-20°	1285.3	33.5
20°-30°	1319.5	34.4
30°-40°	558.8	14.6
40°-50°	68.7	1.8
50°-60°	22.7	0.6
60°-70°	16.8	0.4
70°-80°	13.0	0.3
80°-90°	7.9	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°	3147.2	82.1
0°-40°	3706.0	96.6
0°-60°	3797.4	99.0
0°-90°	3835.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3835.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6011	
5°	5852	542
15°	4633	1285
25°	2916	1320
35°	771	559
45°	61	69
55°	25	23
65°	17	17
75°	12	13
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6011.4
2.5°	5972.5
5°	5852.1
7.5°	5645.3
10°	5333.3
12.5°	5001.1
15°	4633.2
17.5°	4238.2
20°	3816.1
22.5°	3366.8
25°	2915.9
27.5°	2449.7
30°	1958.0
32.5°	1380.0
35°	771.4
37.5°	442.5
40°	247.5
42.5°	130.5
45°	61.0
47.5°	35.6
50°	30.5
52.5°	27.1
55°	25.4
57.5°	23.7
60°	20.3
62.5°	18.6
65°	17.0
67.5°	15.3
70°	13.6
72.5°	13.6
75°	11.9
77.5°	11.9
80°	10.2
82.5°	10.2
85°	8.5
87.5°	5.1
90°	0.0

(END OF REPORT)