

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: P364921

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364921
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-FEU6B35-8030-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: 3749.0 lumens
Efficiency: N/A
Efficacy: 68.0 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

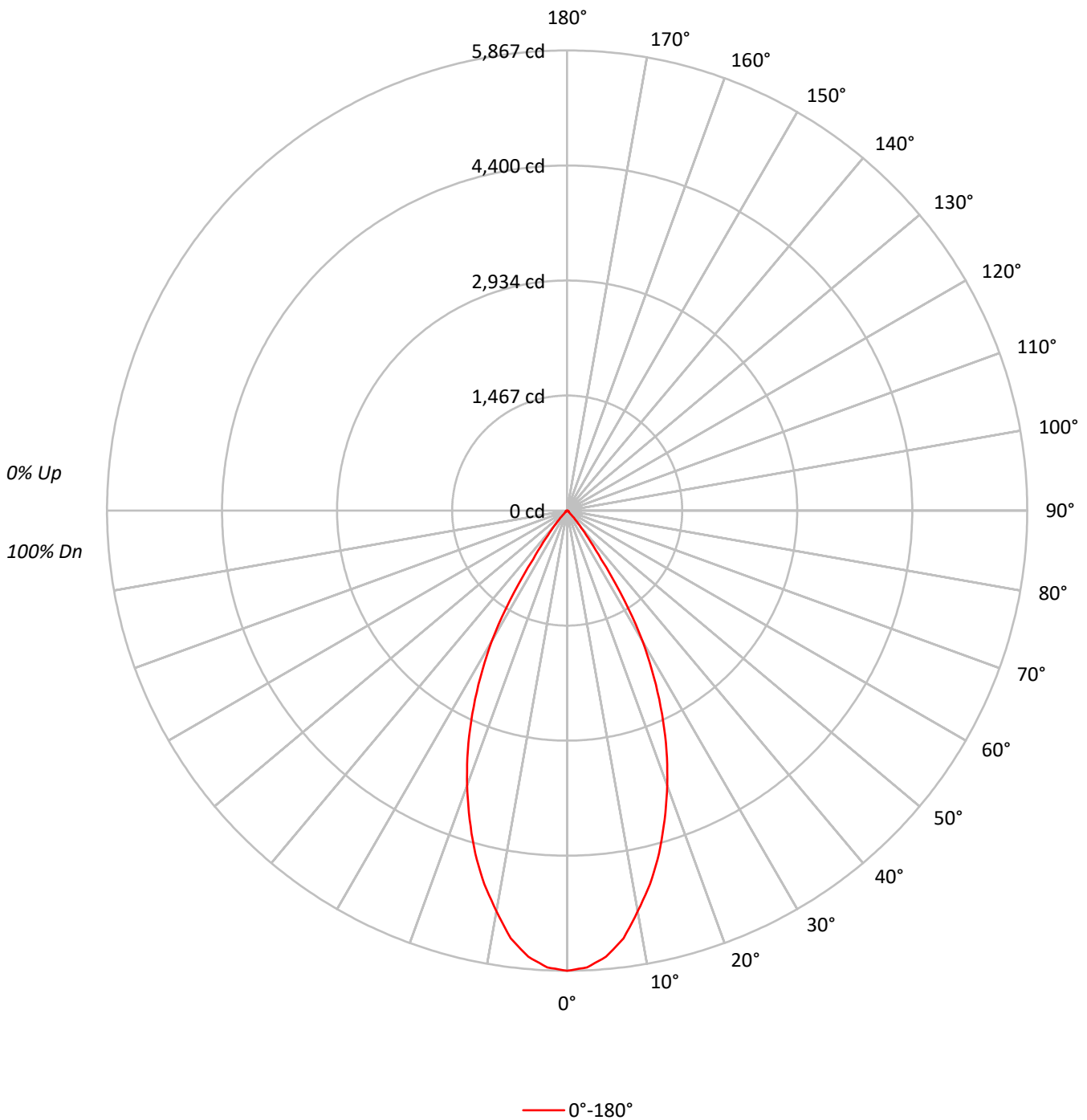
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	420081
5°	410322
10°	377136
15°	335635
20°	284291
25°	226070
30°	158942
35°	66335
40°	22900
45°	5924
50°	2996
55°	2759
60°	2721
65°	2677
70°	2638
75°	3486
80°	3917
85°	6490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.5	14.1
10°-20°	1254.3	33.5
20°-30°	1294.2	34.5
30°-40°	550.5	14.7
40°-50°	66.1	1.8
50°-60°	20.0	0.5
60°-70°	15.6	0.4
70°-80°	12.5	0.3
80°-90°	7.3	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°	3077.0	82.1
0°-40°	3627.5	96.8
0°-60°	3713.5	99.1
0°-90°	3749.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3749.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5867	
5°	5709	529
15°	4528	1254
25°	2862	1294
35°	759	550
45°	58	66
55°	22	20
65°	16	16
75°	13	13
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5866.9
2.5°	5828.9
5°	5708.8
7.5°	5500.1
10°	5187.1
12.5°	4878.8
15°	4527.8
17.5°	4132.6
20°	3731.0
22.5°	3312.1
25°	2861.5
27.5°	2396.7
30°	1922.4
32.5°	1362.8
35°	758.9
37.5°	436.3
40°	245.0
42.5°	126.5
45°	58.5
47.5°	31.6
50°	26.9
52.5°	23.7
55°	22.1
57.5°	20.6
60°	19.0
62.5°	17.4
65°	15.8
67.5°	14.2
70°	12.6
72.5°	12.6
75°	12.6
77.5°	11.1
80°	9.5
82.5°	9.5
85°	7.9
87.5°	4.7
90°	0.0

(END OF REPORT)