

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: P364632

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364632
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: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1425.0 lumens
Efficiency: N/A
Efficacy: 70.2 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

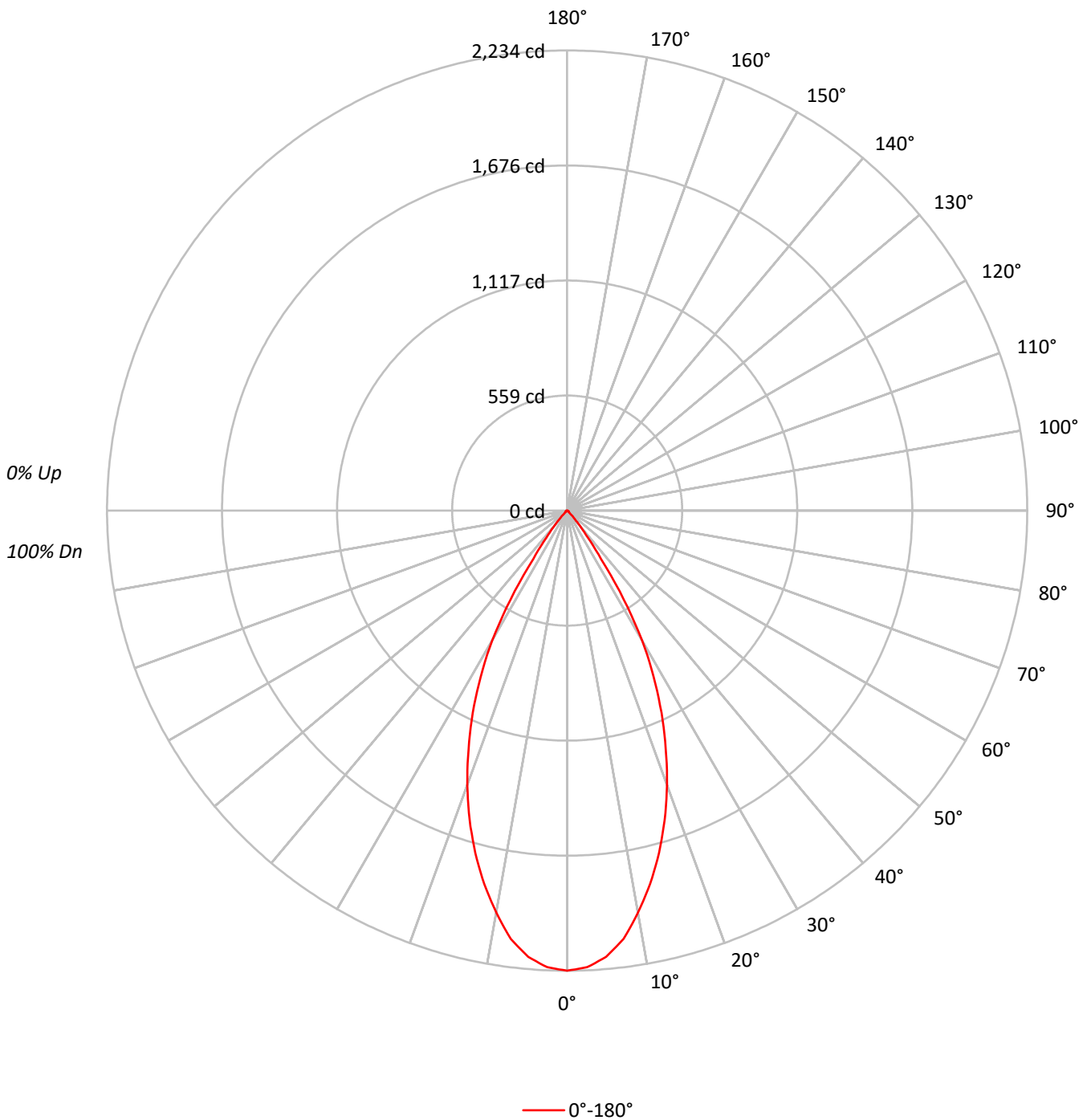
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	159937
5°	156293
10°	144082
15°	127618
20°	108047
25°	85601
30°	60157
35°	25052
40°	8599
45°	2299
50°	1259
55°	1173
60°	1088
65°	1067
70°	1047
75°	1217
80°	1567
85°	2547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.5	14.1
10°-20°	477.6	33.5
20°-30°	490.3	34.4
30°-40°	207.6	14.6
40°-50°	25.5	1.8
50°-60°	8.4	0.6
60°-70°	6.2	0.4
70°-80°	4.8	0.3
80°-90°	2.9	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°	1169.4	82.1
0°-40°	1377.0	96.6
0°-60°	1411.0	99.0
0°-90°	1425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2234	
5°	2174	202
15°	1722	478
25°	1084	490
35°	287	208
45°	23	26
55°	9	8
65°	6	6
75°	4	5
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2233.7
2.5°	2219.2
5°	2174.5
7.5°	2097.7
10°	1981.7
12.5°	1858.3
15°	1721.6
17.5°	1574.8
20°	1418.0
22.5°	1251.0
25°	1083.5
27.5°	910.2
30°	727.6
32.5°	512.8
35°	286.6
37.5°	164.4
40°	92.0
42.5°	48.5
45°	22.7
47.5°	13.2
50°	11.3
52.5°	10.1
55°	9.4
57.5°	8.8
60°	7.6
62.5°	6.9
65°	6.3
67.5°	5.7
70°	5.0
72.5°	5.0
75°	4.4
77.5°	4.4
80°	3.8
82.5°	3.8
85°	3.1
87.5°	1.9
90°	0.0

(END OF REPORT)