

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: P364706

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364706
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: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1684.0 lumens
Efficiency: N/A
Efficacy: 83.0 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

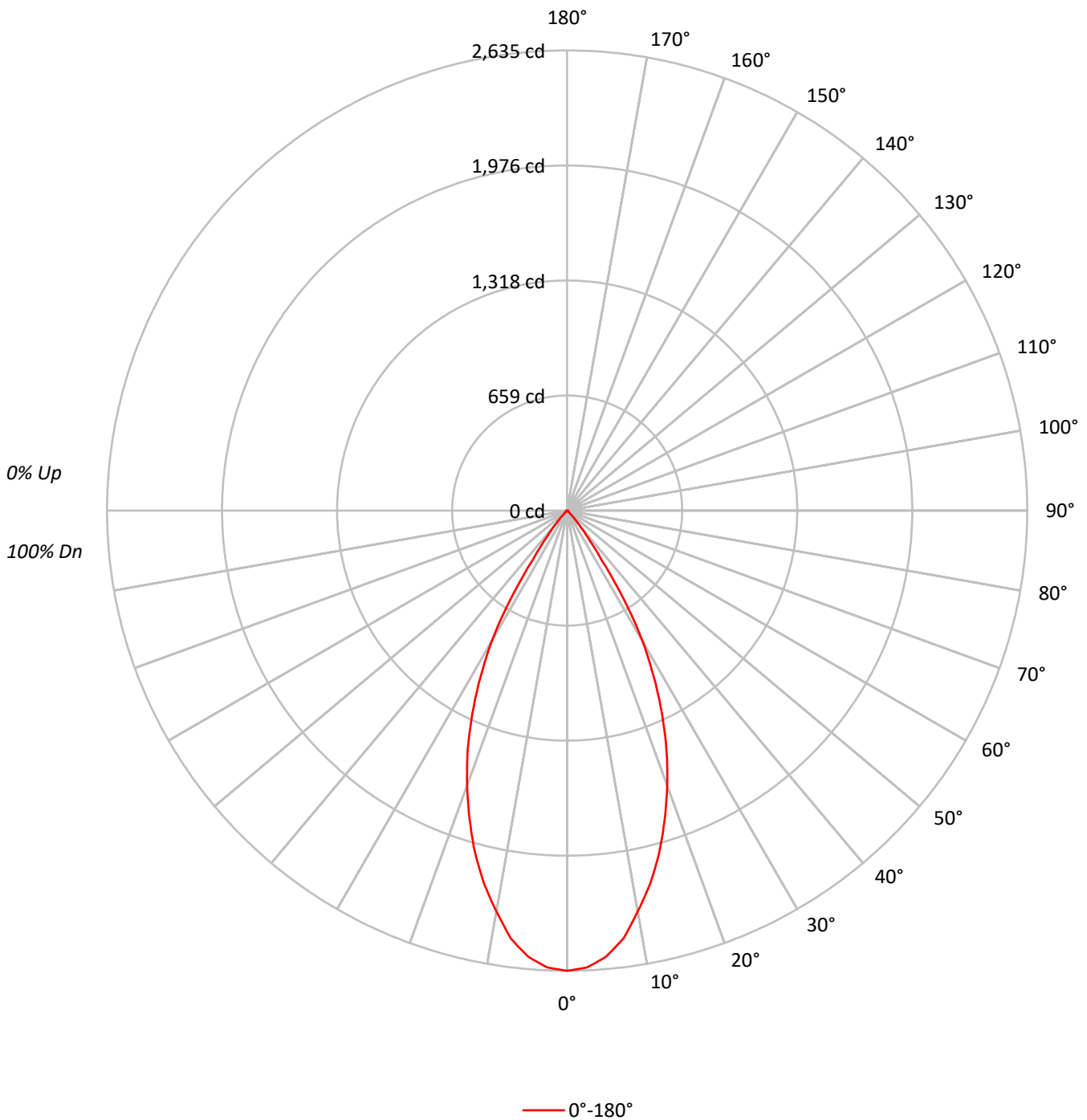
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	188692
5°	184310
10°	169406
15°	150761
20°	127699
25°	101552
30°	71393
35°	29798
40°	10291
45°	2663
50°	1348
55°	1236
60°	1217
65°	1203
70°	1193
75°	1577
80°	1773
85°	2958



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.4	14.1
10°-20°	563.4	33.5
20°-30°	581.3	34.5
30°-40°	247.3	14.7
40°-50°	29.7	1.8
50°-60°	9.0	0.5
60°-70°	7.0	0.4
70°-80°	5.7	0.3
80°-90°	3.3	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°	1382.1	82.1
0°-40°	1629.4	96.8
0°-60°	1668.1	99.1
0°-90°	1684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1684.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2635	
5°	2564	237
15°	2034	563
25°	1285	581
35°	341	247
45°	26	30
55°	10	9
65°	7	7
75°	6	6
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2635.3
2.5°	2618.3
5°	2564.3
7.5°	2470.6
10°	2330.0
12.5°	2191.5
15°	2033.8
17.5°	1856.3
20°	1675.9
22.5°	1487.7
25°	1285.4
27.5°	1076.6
30°	863.5
32.5°	612.1
35°	340.9
37.5°	196.0
40°	110.1
42.5°	56.8
45°	26.3
47.5°	14.2
50°	12.1
52.5°	10.7
55°	9.9
57.5°	9.2
60°	8.5
62.5°	7.8
65°	7.1
67.5°	6.4
70°	5.7
72.5°	5.7
75°	5.7
77.5°	5.0
80°	4.3
82.5°	4.3
85°	3.6
87.5°	2.1
90°	0.0

(END OF REPORT)