

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: P364705

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364705  
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-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1557.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 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

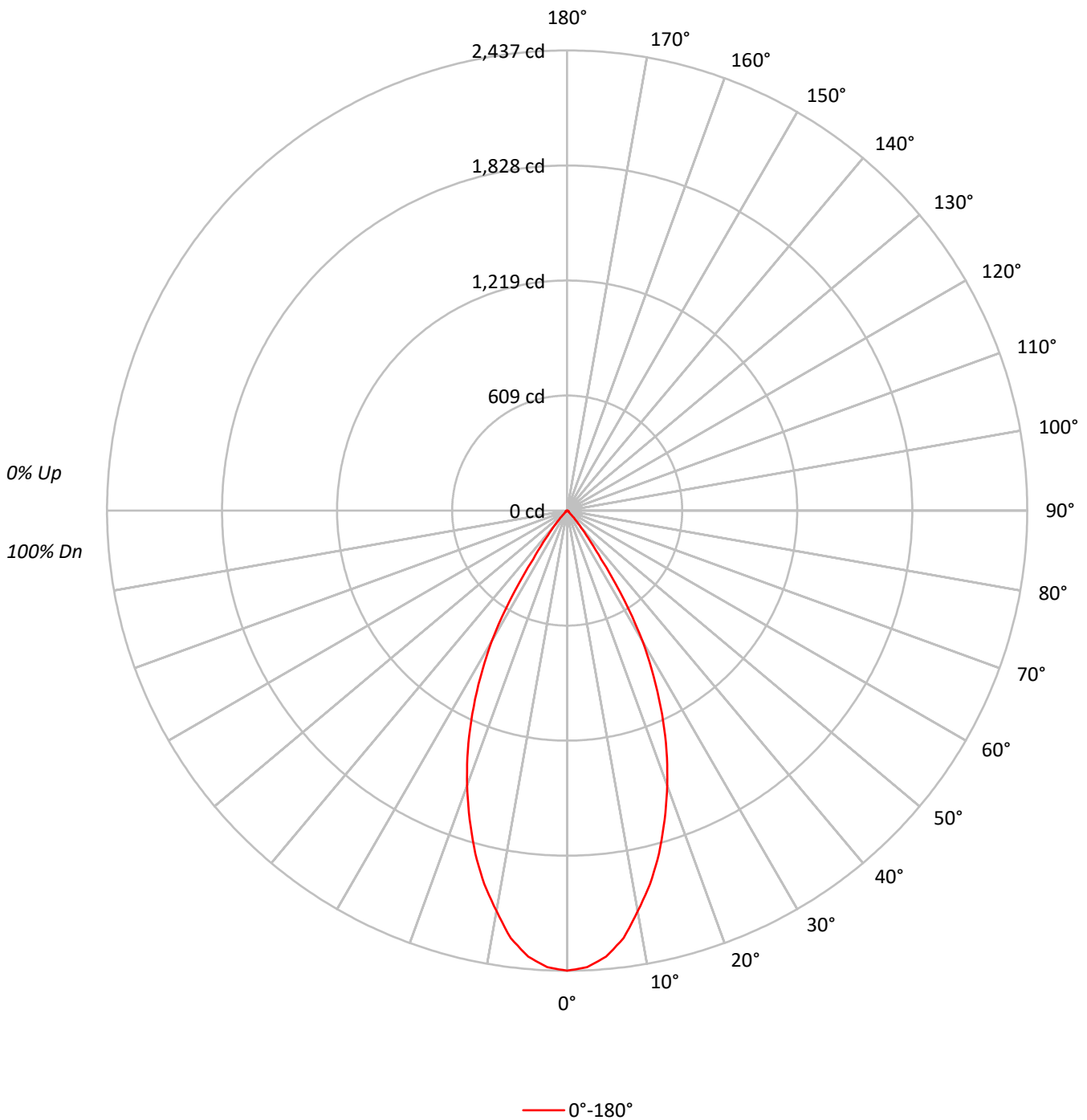
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	174465
5°	170409
10°	156631
15°	139397
20°	118067
25°	93888
30°	66011
35°	27552
40°	9515
45°	2461
50°	1248
55°	1148
60°	1131
65°	1118
70°	1110
75°	1466
80°	1608
85°	2711



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.5	14.1
10°-20°	520.9	33.5
20°-30°	537.5	34.5
30°-40°	228.6	14.7
40°-50°	27.4	1.8
50°-60°	8.3	0.5
60°-70°	6.5	0.4
70°-80°	5.2	0.3
80°-90°	3.0	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°	1277.9	82.1
0°-40°	1506.5	96.8
0°-60°	1542.2	99.1
0°-90°	1557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1557.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2437	
5°	2371	219
15°	1880	521
25°	1188	537
35°	315	229
45°	24	27
55°	9	8
65°	7	7
75°	5	5
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2436.6
2.5°	2420.8
5°	2370.9
7.5°	2284.3
10°	2154.3
12.5°	2026.2
15°	1880.5
17.5°	1716.3
20°	1549.5
22.5°	1375.5
25°	1188.4
27.5°	995.4
30°	798.4
32.5°	566.0
35°	315.2
37.5°	181.2
40°	101.8
42.5°	52.5
45°	24.3
47.5°	13.1
50°	11.2
52.5°	9.8
55°	9.2
57.5°	8.5
60°	7.9
62.5°	7.2
65°	6.6
67.5°	5.9
70°	5.3
72.5°	5.3
75°	5.3
77.5°	4.6
80°	3.9
82.5°	3.9
85°	3.3
87.5°	2.0
90°	0.0

(END OF REPORT)