

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: P364704

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364704
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-FEU6B12-8050-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: 1573.0 lumens
Efficiency: N/A
Efficacy: 77.5 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

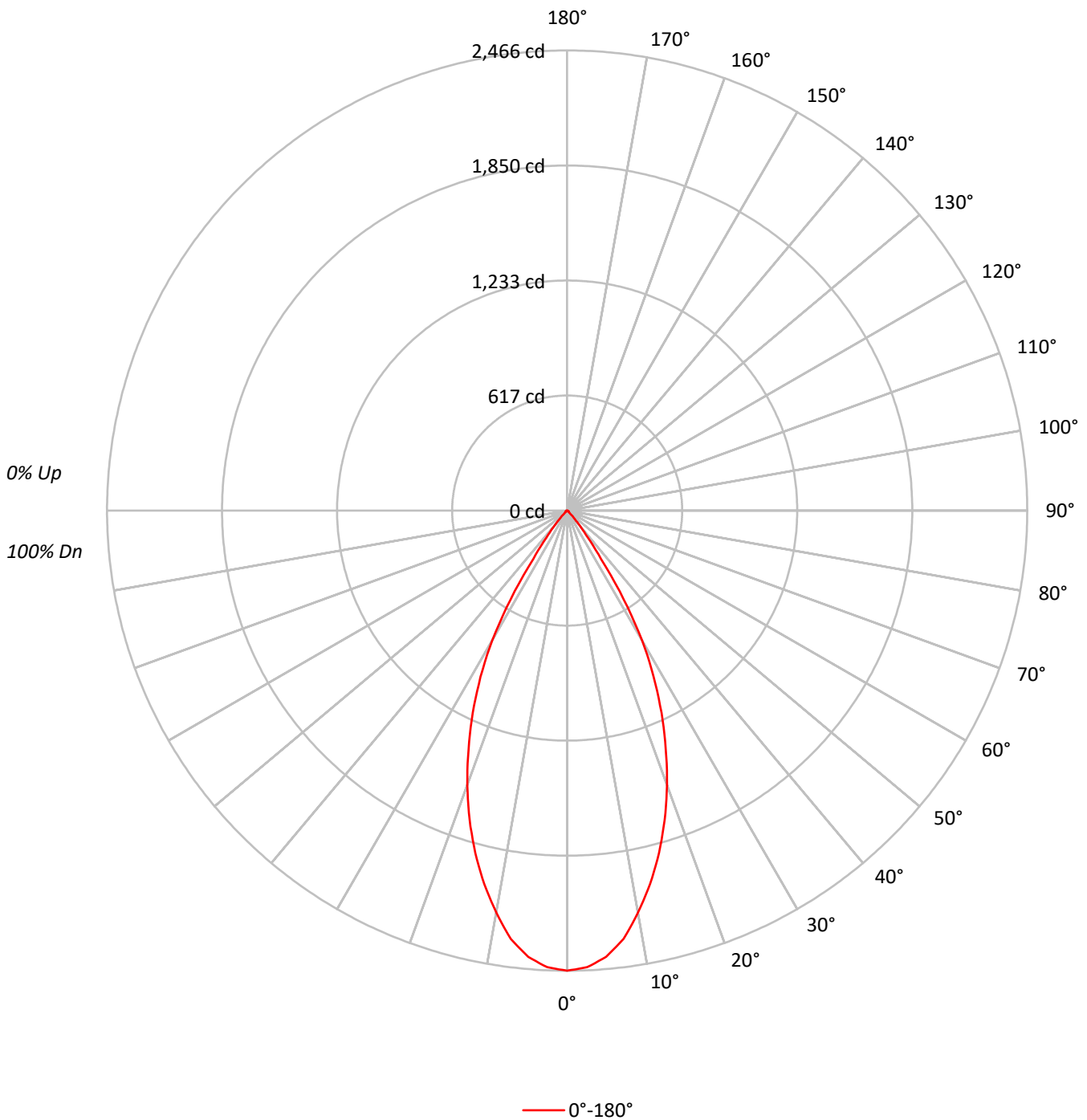
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	176549
5°	172522
10°	159053
15°	140872
20°	119264
25°	94489
30°	66399
35°	27656
40°	9487
45°	2532
50°	1392
55°	1298
60°	1189
65°	1186
70°	1172
75°	1356
80°	1732
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.4	14.1
10°-20°	527.2	33.5
20°-30°	541.2	34.4
30°-40°	229.2	14.6
40°-50°	28.2	1.8
50°-60°	9.3	0.6
60°-70°	6.9	0.4
70°-80°	5.4	0.3
80°-90°	3.2	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°	1290.9	82.1
0°-40°	1520.1	96.6
0°-60°	1557.5	99.0
0°-90°	1573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1573.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2466	
5°	2400	222
15°	1900	527
25°	1196	541
35°	316	229
45°	25	28
55°	10	9
65°	7	7
75°	5	5
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2465.7
2.5°	2449.7
5°	2400.3
7.5°	2315.5
10°	2187.6
12.5°	2051.3
15°	1900.4
17.5°	1738.4
20°	1565.2
22.5°	1381.0
25°	1196.0
27.5°	1004.8
30°	803.1
32.5°	566.0
35°	316.4
37.5°	181.5
40°	101.5
42.5°	53.5
45°	25.0
47.5°	14.6
50°	12.5
52.5°	11.1
55°	10.4
57.5°	9.7
60°	8.3
62.5°	7.6
65°	7.0
67.5°	6.3
70°	5.6
72.5°	5.6
75°	4.9
77.5°	4.9
80°	4.2
82.5°	4.2
85°	3.5
87.5°	2.1
90°	0.0

(END OF REPORT)