

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: P364681

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1528.9 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

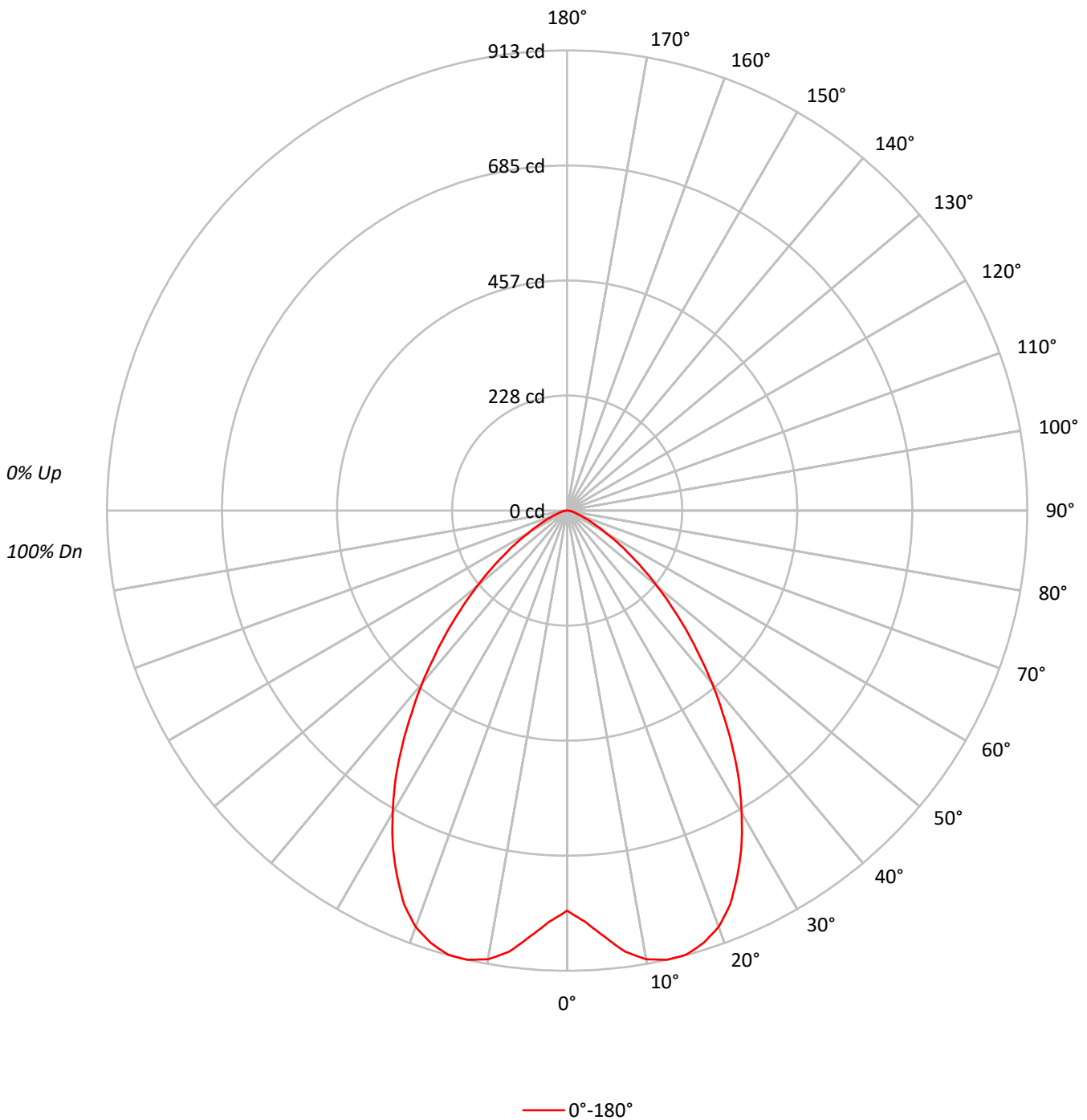
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56823
5°	60979
10°	65712
15°	67619
20°	66970
25°	63140
30°	57247
35°	49920
40°	41856
45°	33689
50°	25943
55°	18862
60°	12802
65°	8454
70°	5506
75°	4205
80°	3711
85°	4518



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	5.4
10°-20°	255.9	16.7
20°-30°	365.4	23.9
30°-40°	355.5	23.2
40°-50°	257.1	16.8
50°-60°	137.8	9.0
60°-70°	51.9	3.4
70°-80°	17.1	1.1
80°-90°	5.4	0.4
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°	704.1	46.1
0°-40°	1059.6	69.3
0°-60°	1454.6	95.1
0°-90°	1528.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1528.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	794	
5°	848	83
15°	912	256
25°	799	365
35°	571	355
45°	333	257
55°	151	138
65°	50	52
75°	15	17
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	793.6
2.5°	816.5
5°	848.4
7.5°	883.0
10°	903.8
12.5°	912.9
15°	912.2
17.5°	899.7
20°	878.9
22.5°	845.6
25°	799.2
27.5°	749.3
30°	692.4
32.5°	634.2
35°	571.1
37.5°	507.4
40°	447.8
42.5°	386.8
45°	332.7
47.5°	280.0
50°	232.9
52.5°	189.2
55°	151.1
57.5°	118.5
60°	89.4
62.5°	67.2
65°	49.9
67.5°	36.0
70°	26.3
72.5°	20.1
75°	15.2
77.5°	11.8
80°	9.0
82.5°	6.9
85°	5.5
87.5°	2.8
90°	0.0

(END OF REPORT)