

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: P365425

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
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-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1231.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

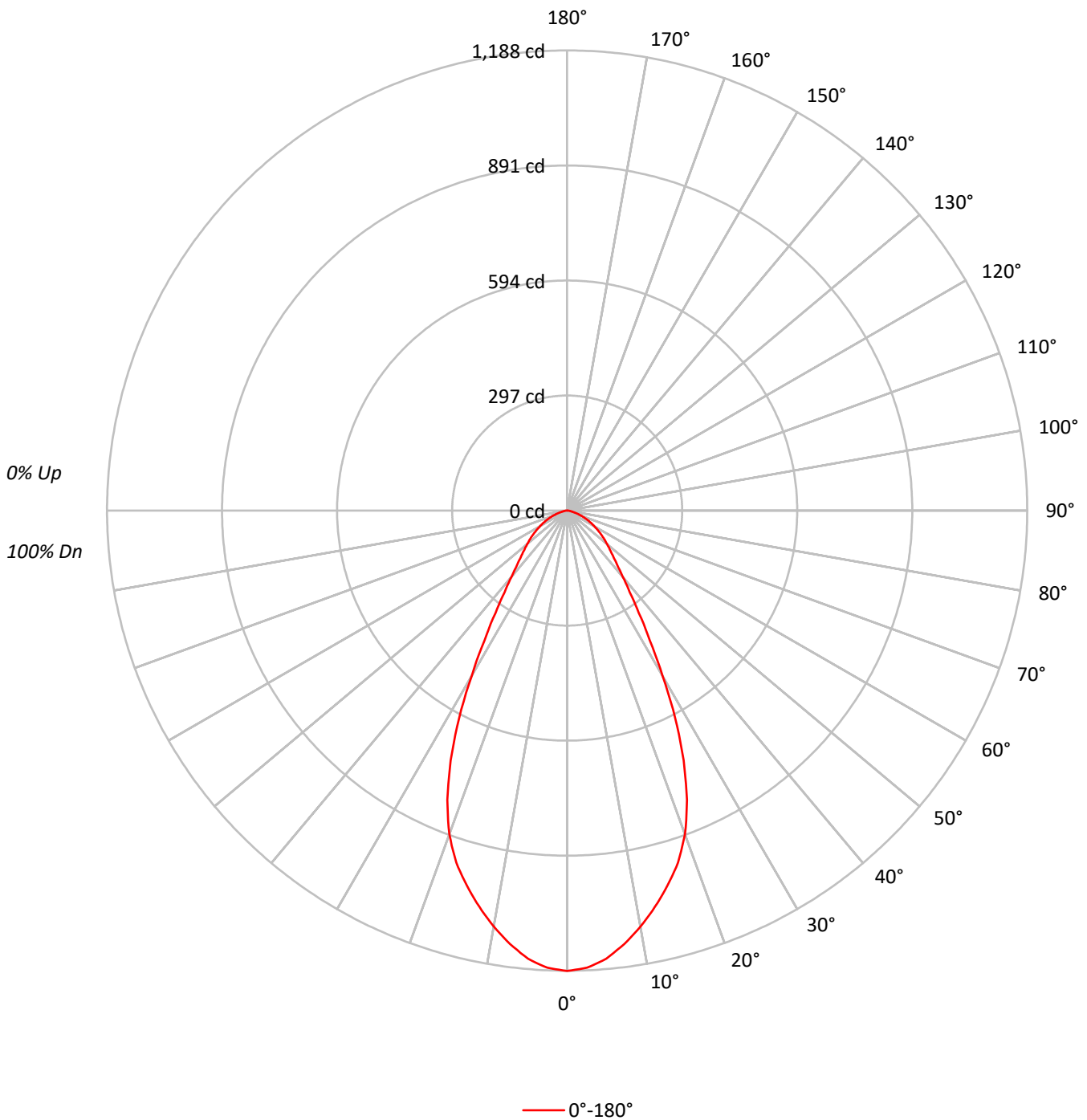
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85099
5°	83483
10°	79286
15°	74254
20°	67770
25°	56180
30°	40761
35°	28190
40°	20853
45°	17052
50°	14960
55°	13307
60°	11600
65°	9877
70°	7892
75°	5699
80°	4082
85°	4683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	8.8
10°-20°	280.1	22.8
20°-30°	320.4	26.0
30°-40°	207.7	16.9
40°-50°	132.4	10.8
50°-60°	95.4	7.8
60°-70°	58.0	4.7
70°-80°	23.1	1.9
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°	709.0	57.6
0°-40°	916.7	74.5
0°-60°	1144.5	93.0
0°-90°	1231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1188	
5°	1162	109
15°	1002	280
25°	711	320
35°	322	208
45°	168	132
55°	107	95
65°	58	58
75°	21	23
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1188.5
2.5°	1181.4
5°	1161.5
7.5°	1128.9
10°	1090.5
12.5°	1047.9
15°	1001.7
17.5°	952.7
20°	889.4
22.5°	808.5
25°	711.1
27.5°	604.6
30°	493.0
32.5°	397.1
35°	322.5
37.5°	265.7
40°	223.1
42.5°	191.8
45°	168.4
47.5°	149.9
50°	134.3
52.5°	120.1
55°	106.6
57.5°	93.1
60°	81.0
62.5°	69.6
65°	58.3
67.5°	47.6
70°	37.7
72.5°	29.1
75°	20.6
77.5°	14.2
80°	9.9
82.5°	6.4
85°	5.7
87.5°	2.8
90°	0.0

(END OF REPORT)