

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: P365400

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1202.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

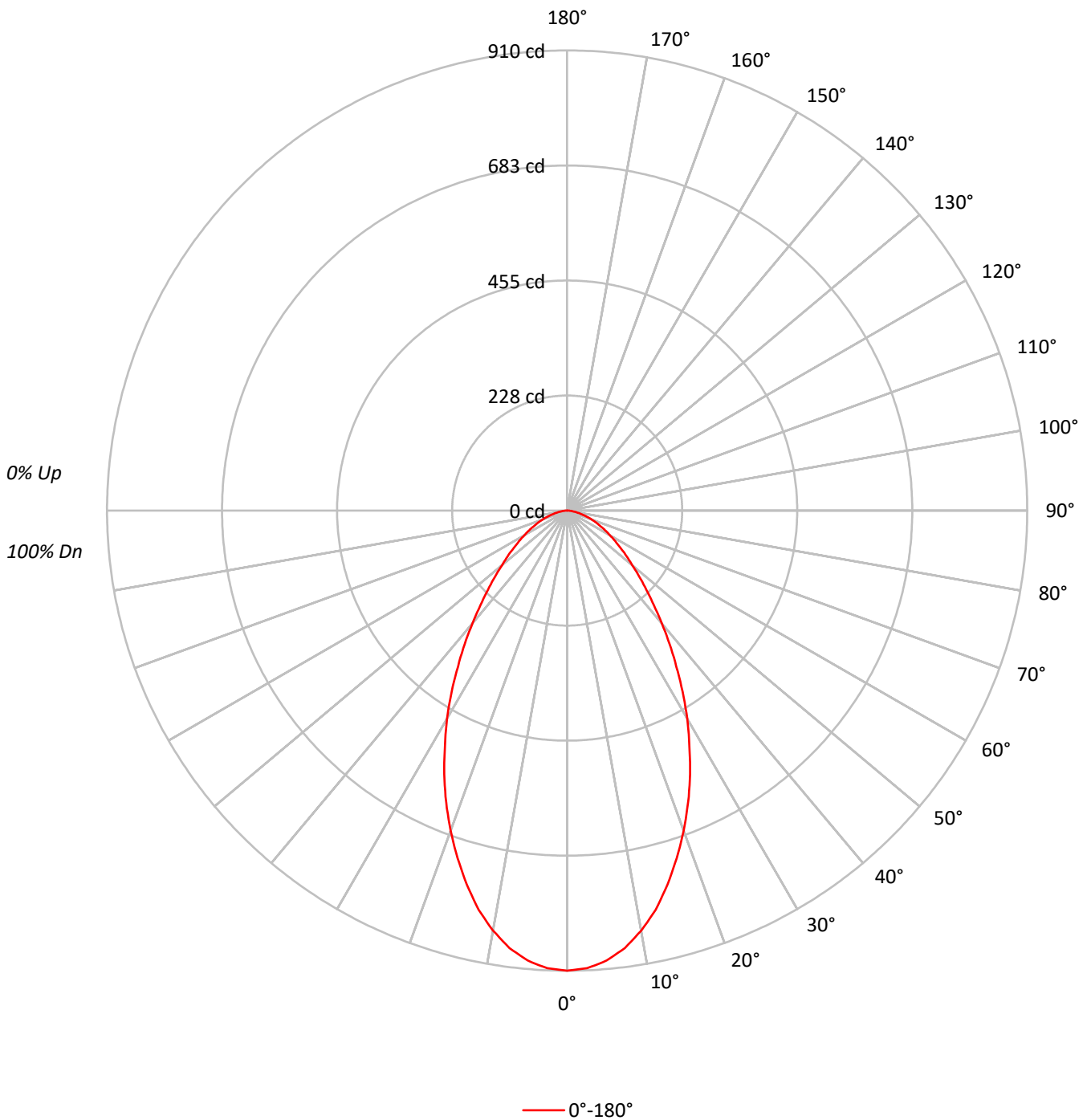
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65151
5°	64206
10°	61321
15°	56767
20°	51326
25°	45443
30°	39248
35°	32892
40°	27209
45°	22460
50°	18759
55°	16091
60°	13991
65°	12334
70°	10740
75°	9019
80°	7422
85°	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	7.0
10°-20°	213.9	17.8
20°-30°	263.2	21.9
30°-40°	235.9	19.6
40°-50°	172.7	14.4
50°-60°	116.8	9.7
60°-70°	72.5	6.0
70°-80°	35.1	2.9
80°-90°	8.3	0.7
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°	560.8	46.7
0°-40°	796.7	66.3
0°-60°	1086.1	90.4
0°-90°	1202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1202.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	910	
5°	893	84
15°	766	214
25°	575	263
35°	376	236
45°	222	173
55°	129	117
65°	73	73
75°	33	35
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	909.9
2.5°	905.8
5°	893.3
7.5°	872.5
10°	843.4
12.5°	808.7
15°	765.8
17.5°	720.7
20°	673.6
22.5°	625.1
25°	575.2
27.5°	523.2
30°	474.7
32.5°	424.8
35°	376.3
37.5°	332.6
40°	291.1
42.5°	253.6
45°	221.8
47.5°	193.3
50°	168.4
52.5°	148.3
55°	128.9
57.5°	113.0
60°	97.7
62.5°	84.5
65°	72.8
67.5°	61.7
70°	51.3
72.5°	41.6
75°	32.6
77.5°	24.3
80°	18.0
82.5°	11.8
85°	6.9
87.5°	2.8
90°	0.0

(END OF REPORT)