

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: P365371

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365371
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-FEU6B12-8030-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: 1166.1 lumens
Efficiency: N/A
Efficacy: 57.4 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

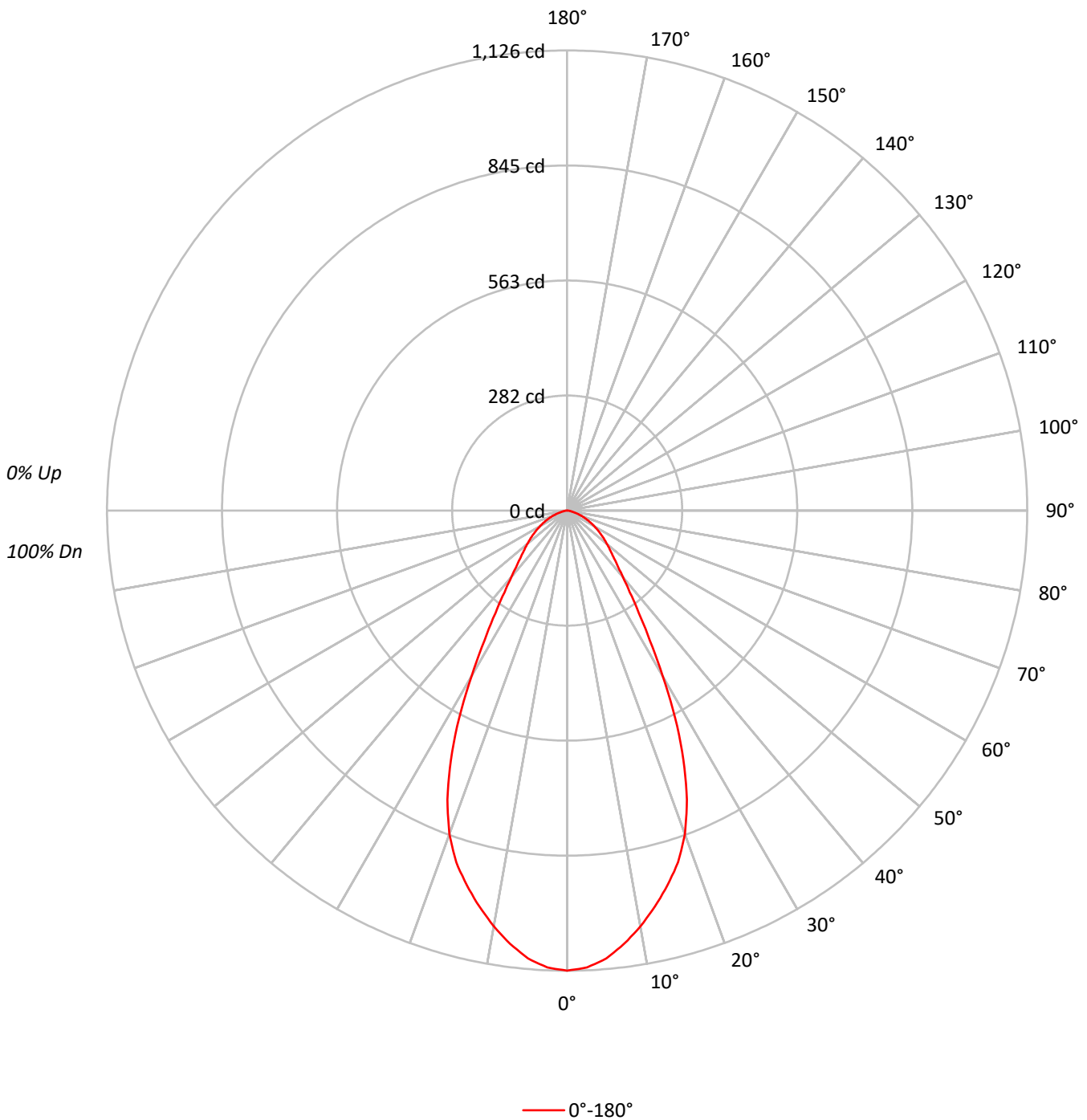
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	80609
5°	79077
10°	75098
15°	70332
20°	64196
25°	53217
30°	38611
35°	26704
40°	19750
45°	16151
50°	14169
55°	12596
60°	10984
65°	9352
70°	7474
75°	5395
80°	3876
85°	4436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	8.8
10°-20°	265.3	22.8
20°-30°	303.4	26.0
30°-40°	196.8	16.9
40°-50°	125.5	10.8
50°-60°	90.3	7.7
60°-70°	54.9	4.7
70°-80°	21.9	1.9
80°-90°	5.1	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°	671.5	57.6
0°-40°	868.3	74.5
0°-60°	1084.1	93.0
0°-90°	1166.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1126	
5°	1100	103
15°	949	265
25°	674	303
35°	306	197
45°	160	125
55°	101	90
65°	55	55
75°	20	22
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1125.8
2.5°	1119.0
5°	1100.2
7.5°	1069.3
10°	1032.9
12.5°	992.5
15°	948.8
17.5°	902.4
20°	842.5
22.5°	765.8
25°	673.6
27.5°	572.6
30°	467.0
32.5°	376.2
35°	305.5
37.5°	251.7
40°	211.3
42.5°	181.7
45°	159.5
47.5°	142.0
50°	127.2
52.5°	113.7
55°	100.9
57.5°	88.2
60°	76.7
62.5°	65.9
65°	55.2
67.5°	45.1
70°	35.7
72.5°	27.6
75°	19.5
77.5°	13.5
80°	9.4
82.5°	6.1
85°	5.4
87.5°	2.7
90°	0.0

(END OF REPORT)