

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: P365421

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
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-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1262.0 lumens
Efficiency: N/A
Efficacy: 62.2 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

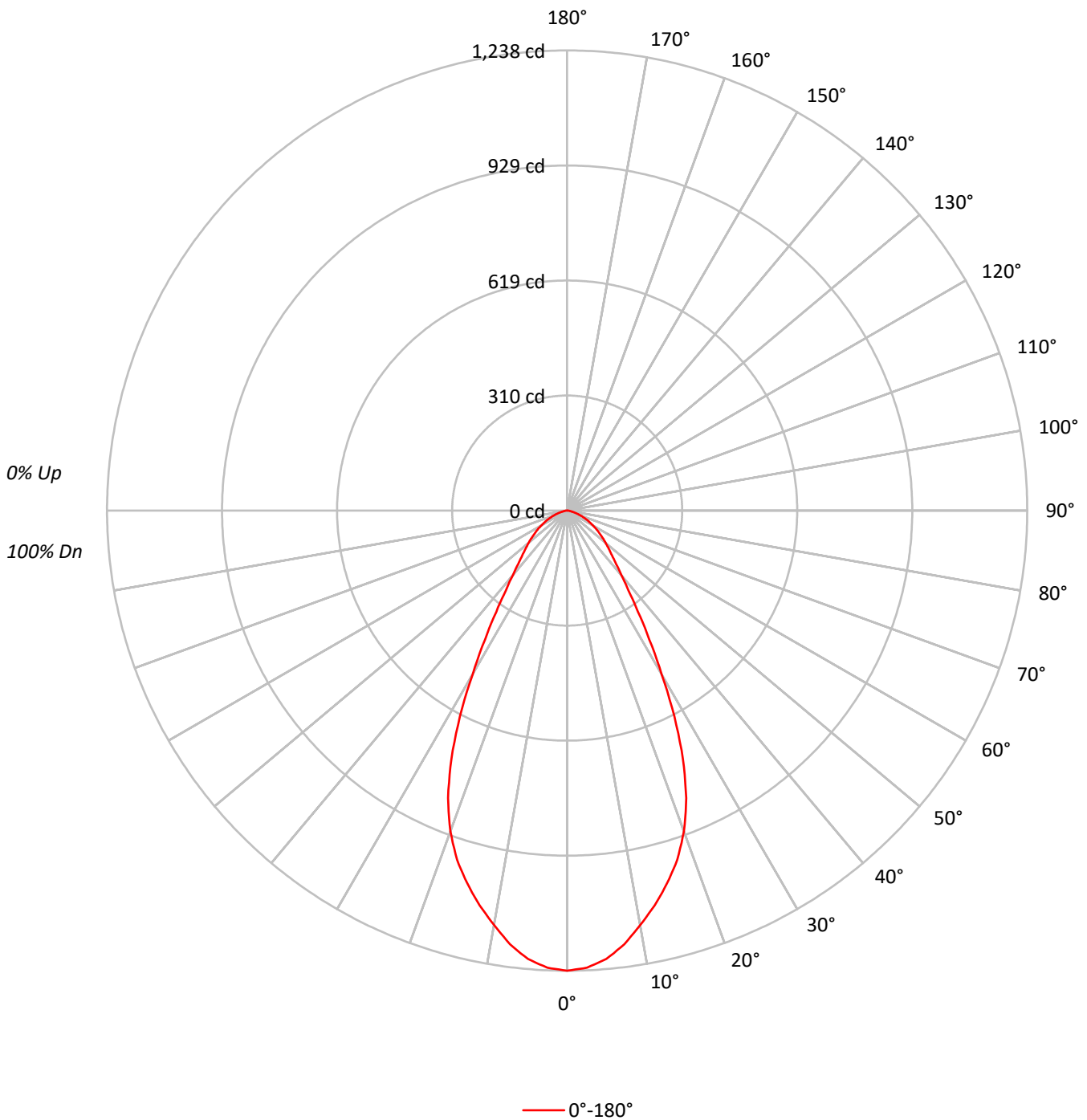
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88636
5°	87034
10°	82311
15°	76974
20°	69972
25°	58242
30°	42042
35°	29055
40°	21246
45°	17265
50°	15027
55°	13207
60°	11499
65°	9742
70°	7872
75°	5505
80°	3505
85°	4108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	9.0
10°-20°	290.1	23.0
20°-30°	331.4	26.3
30°-40°	213.7	16.9
40°-50°	134.2	10.6
50°-60°	95.2	7.5
60°-70°	57.4	4.5
70°-80°	22.1	1.8
80°-90°	4.8	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°	734.5	58.2
0°-40°	948.3	75.1
0°-60°	1177.6	93.3
0°-90°	1262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1238	
5°	1211	113
15°	1038	290
25°	737	331
35°	332	214
45°	170	134
55°	106	95
65°	58	57
75°	20	22
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1237.9
2.5°	1230.8
5°	1210.9
7.5°	1176.8
10°	1132.1
12.5°	1088.1
15°	1038.4
17.5°	985.1
20°	918.3
22.5°	837.4
25°	737.2
27.5°	624.3
30°	508.5
32.5°	411.2
35°	332.4
37.5°	271.3
40°	227.3
42.5°	195.3
45°	170.5
47.5°	151.3
50°	134.9
52.5°	120.0
55°	105.8
57.5°	93.0
60°	80.3
62.5°	68.9
65°	57.5
67.5°	46.9
70°	37.6
72.5°	27.7
75°	19.9
77.5°	13.5
80°	8.5
82.5°	5.7
85°	5.0
87.5°	2.8
90°	0.0

(END OF REPORT)