

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: P365348

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1038.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

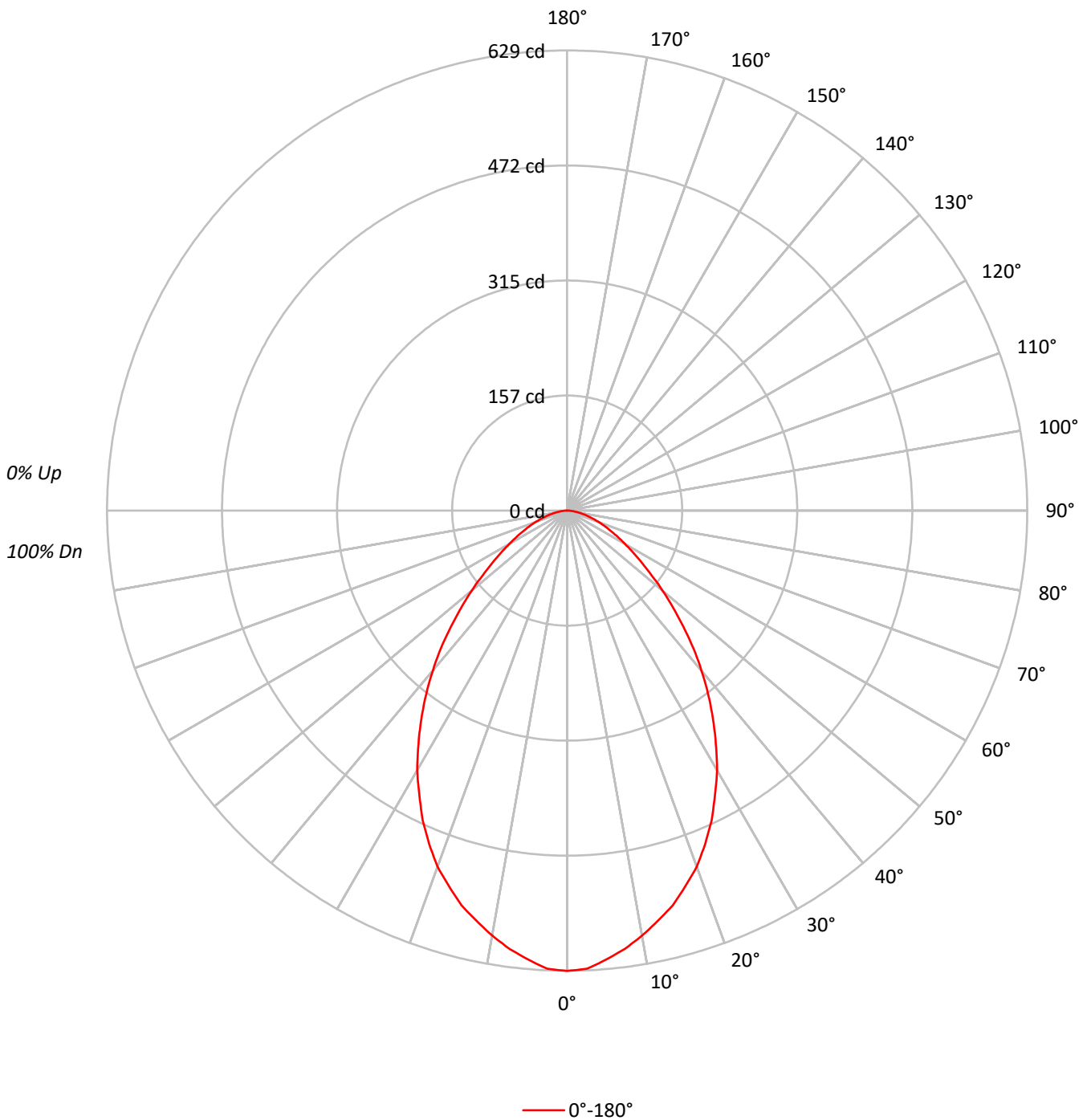
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45059
5°	44261
10°	42897
15°	41400
20°	39470
25°	36903
30°	33890
35°	30375
40°	26704
45°	22743
50°	18992
55°	15579
60°	13089
65°	11114
70°	9693
75°	8189
80°	6639
85°	5258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	5.6
10°-20°	156.6	15.1
20°-30°	213.9	20.6
30°-40°	216.8	20.9
40°-50°	173.9	16.8
50°-60°	113.3	10.9
60°-70°	66.1	6.4
70°-80°	31.8	3.1
80°-90°	7.6	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°	428.5	41.3
0°-40°	645.3	62.2
0°-60°	932.5	89.8
0°-90°	1038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1038.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	629	
5°	616	58
15°	558	157
25°	467	214
35°	348	217
45°	225	174
55°	125	113
65°	66	66
75°	30	32
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	629.3
2.5°	626.7
5°	615.8
7.5°	604.2
10°	590.0
12.5°	574.0
15°	558.5
17.5°	537.9
20°	518.0
22.5°	492.9
25°	467.1
27.5°	437.5
30°	409.9
32.5°	378.3
35°	347.5
37.5°	316.6
40°	285.7
42.5°	255.4
45°	224.6
47.5°	196.3
50°	170.5
52.5°	145.4
55°	124.8
57.5°	106.8
60°	91.4
62.5°	77.9
65°	65.6
67.5°	55.3
70°	46.3
72.5°	37.3
75°	29.6
77.5°	22.5
80°	16.1
82.5°	10.9
85°	6.4
87.5°	2.6
90°	0.0

(END OF REPORT)