

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: P366122

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1488.9 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

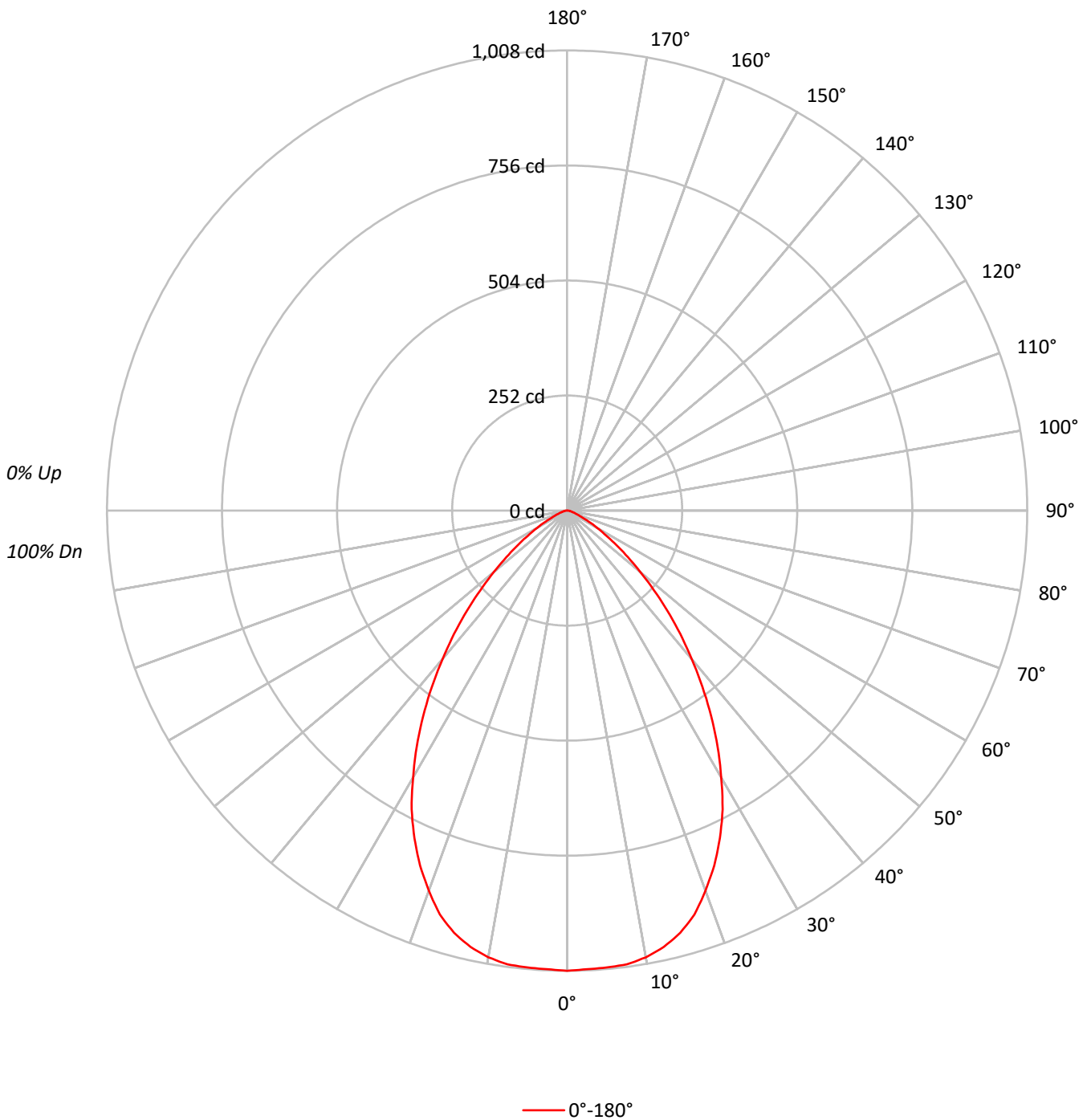
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62		71	66	62		69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47		57	51	47		55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72189
5°	72213
10°	72241
15°	70985
20°	67518
25°	62555
30°	55833
35°	48058
40°	39659
45°	31381
50°	23326
55°	16441
60°	10926
65°	6692
70°	4354
75°	3264
80°	2845
85°	3450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	6.4
10°-20°	268.1	18.0
20°-30°	361.9	24.3
30°-40°	342.4	23.0
40°-50°	240.0	16.1
50°-60°	120.8	8.1
60°-70°	42.7	2.9
70°-80°	13.3	0.9
80°-90°	4.2	0.3
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°	725.6	48.7
0°-40°	1068.0	71.7
0°-60°	1428.8	96.0
0°-90°	1488.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1008	
5°	1005	96
15°	958	268
25°	792	362
35°	550	342
45°	310	240
55°	132	121
65°	40	43
75°	12	13
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1008.2
2.5°	1005.4
5°	1004.7
7.5°	1002.6
10°	993.6
12.5°	979.0
15°	957.6
17.5°	927.7
20°	886.1
22.5°	841.8
25°	791.8
27.5°	737.8
30°	675.3
32.5°	613.6
35°	549.8
37.5°	486.8
40°	424.3
42.5°	366.8
45°	309.9
47.5°	257.9
50°	209.4
52.5°	167.8
55°	131.7
57.5°	101.2
60°	76.3
62.5°	56.2
65°	39.5
67.5°	29.1
70°	20.8
72.5°	15.9
75°	11.8
77.5°	9.0
80°	6.9
82.5°	5.5
85°	4.2
87.5°	2.1
90°	0.0

(END OF REPORT)