

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: P364628

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
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-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1405.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

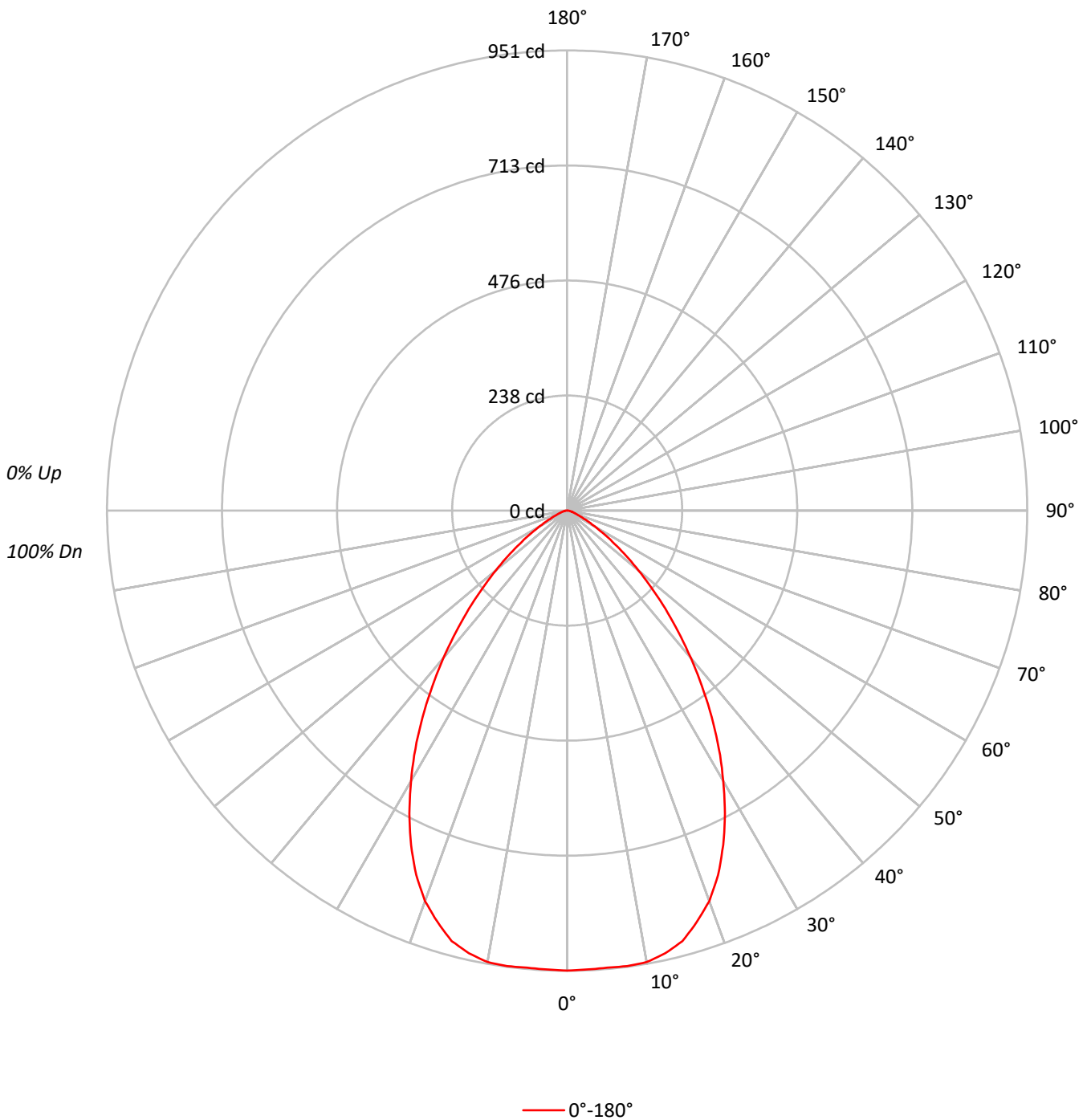
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68072
5°	68145
10°	68889
15°	68279
20°	65430
25°	60272
30°	53344
35°	45488
40°	37154
45°	29052
50°	21421
55°	14855
60°	9494
65°	5777
70°	3915
75°	3015
80°	2639
85°	3697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	6.4
10°-20°	257.6	18.3
20°-30°	348.4	24.8
30°-40°	324.1	23.1
40°-50°	222.0	15.8
50°-60°	109.4	7.8
60°-70°	36.6	2.6
70°-80°	12.1	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°	696.6	49.6
0°-40°	1020.6	72.6
0°-60°	1352.1	96.2
0°-90°	1405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1405.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	951	
5°	948	91
15°	921	258
25°	763	348
35°	520	324
45°	287	222
55°	119	109
65°	34	37
75°	11	12
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	950.7
2.5°	949.4
5°	948.1
7.5°	949.4
10°	947.5
12.5°	937.2
15°	921.1
17.5°	891.5
20°	858.7
22.5°	815.0
25°	762.9
27.5°	706.3
30°	645.2
32.5°	584.0
35°	520.4
37.5°	457.3
40°	397.5
42.5°	339.6
45°	286.9
47.5°	236.7
50°	192.3
52.5°	153.7
55°	119.0
57.5°	90.7
60°	66.3
62.5°	47.6
65°	34.1
67.5°	24.4
70°	18.7
72.5°	14.2
75°	10.9
77.5°	8.4
80°	6.4
82.5°	5.1
85°	4.5
87.5°	2.6
90°	0.0

(END OF REPORT)