

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: P365385

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365385
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-FEU6B12-8035-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: 1219.0 lumens
Efficiency: N/A
Efficacy: 60.0 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

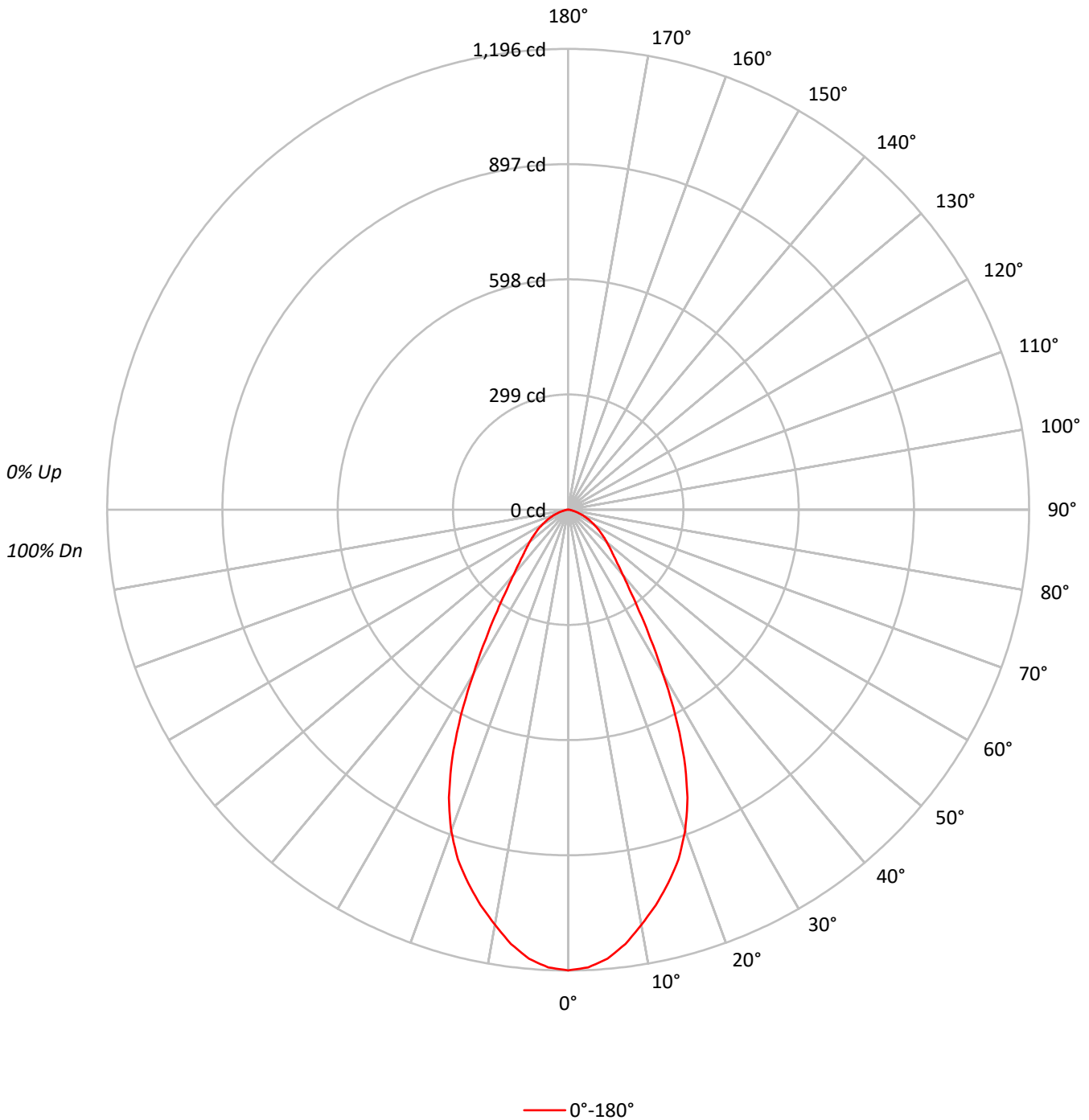
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	85614
5°	84073
10°	79504
15°	74350
20°	67587
25°	56259
30°	40612
35°	28067
40°	20517
45°	16667
50°	14514
55°	12758
60°	11098
65°	9420
70°	7620
75°	5312
80°	3381
85°	3943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	9.0
10°-20°	280.2	23.0
20°-30°	320.1	26.3
30°-40°	206.5	16.9
40°-50°	129.6	10.6
50°-60°	91.9	7.5
60°-70°	55.4	4.5
70°-80°	21.4	1.8
80°-90°	4.7	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°	709.5	58.2
0°-40°	915.9	75.1
0°-60°	1137.5	93.3
0°-90°	1219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1196	
5°	1170	109
15°	1003	280
25°	712	320
35°	321	206
45°	165	130
55°	102	92
65°	56	55
75°	19	21
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1195.7
2.5°	1188.9
5°	1169.7
7.5°	1136.8
10°	1093.5
12.5°	1051.0
15°	1003.0
17.5°	951.5
20°	887.0
22.5°	808.8
25°	712.1
27.5°	603.0
30°	491.2
32.5°	397.2
35°	321.1
37.5°	262.1
40°	219.5
42.5°	188.7
45°	164.6
47.5°	146.1
50°	130.3
52.5°	115.9
55°	102.2
57.5°	89.9
60°	77.5
62.5°	66.5
65°	55.6
67.5°	45.3
70°	36.4
72.5°	26.8
75°	19.2
77.5°	13.0
80°	8.2
82.5°	5.5
85°	4.8
87.5°	2.7
90°	0.0

(END OF REPORT)