

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: P365366

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365366
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-FEU6B12-8030-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: 1086.0 lumens
Efficiency: N/A
Efficacy: 53.5 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

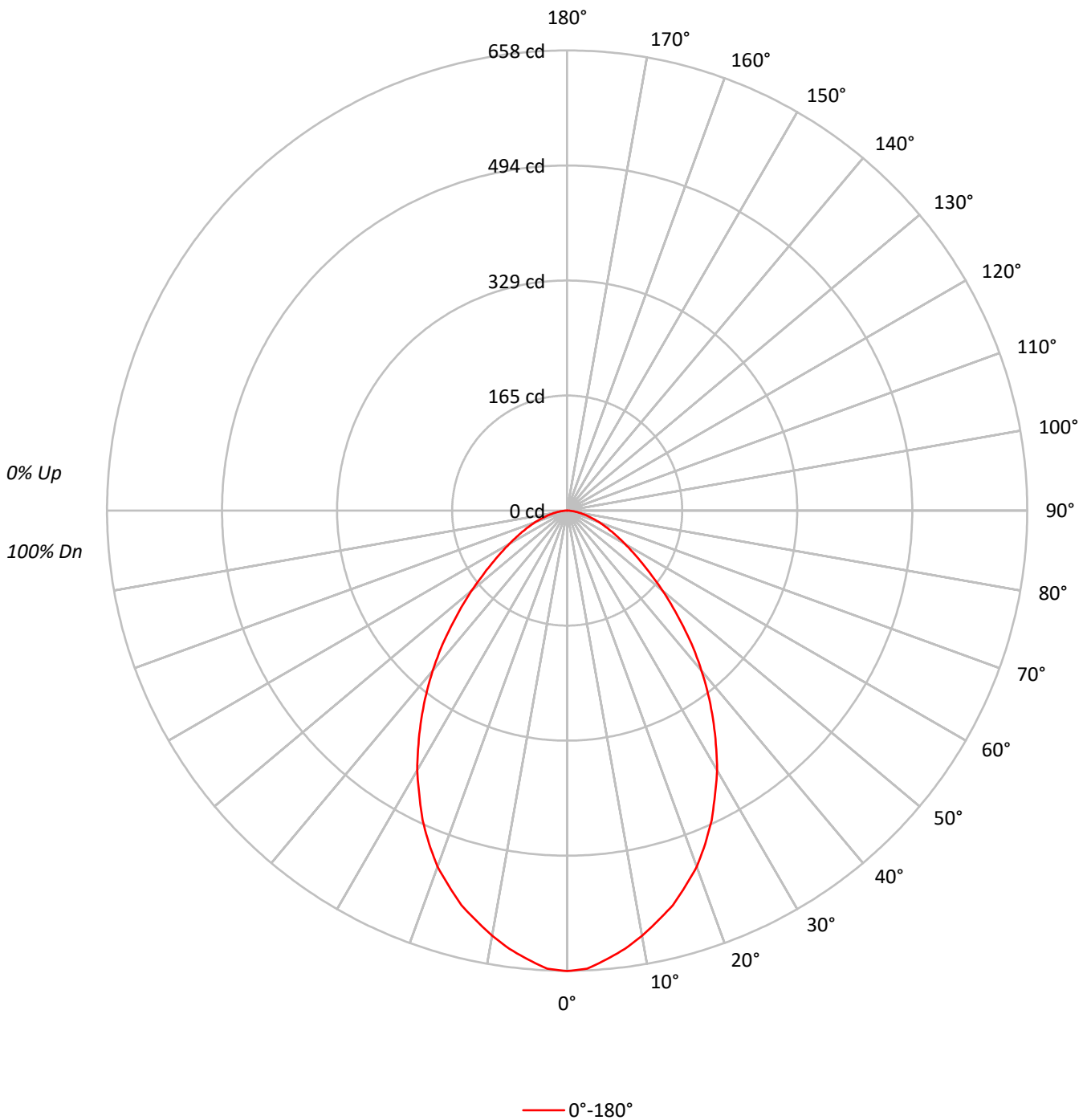
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	47143
5°	46309
10°	44882
15°	43313
20°	41291
25°	38609
30°	35453
35°	31773
40°	27938
45°	23786
50°	19872
55°	16303
60°	13690
65°	11639
70°	10153
75°	8576
80°	6927
85°	5504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	5.6
10°-20°	163.8	15.1
20°-30°	223.8	20.6
30°-40°	226.8	20.9
40°-50°	181.9	16.7
50°-60°	118.5	10.9
60°-70°	69.2	6.4
70°-80°	33.3	3.1
80°-90°	7.9	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°	448.3	41.3
0°-40°	675.2	62.2
0°-60°	975.6	89.8
0°-90°	1086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1086.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	658	
5°	644	61
15°	584	164
25°	489	224
35°	364	227
45°	235	182
55°	131	119
65°	69	69
75°	31	33
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	658.4
2.5°	655.7
5°	644.3
7.5°	632.1
10°	617.3
12.5°	600.5
15°	584.3
17.5°	562.8
20°	541.9
22.5°	515.7
25°	488.7
27.5°	457.8
30°	428.8
32.5°	395.8
35°	363.5
37.5°	331.2
40°	298.9
42.5°	267.3
45°	234.9
47.5°	205.3
50°	178.4
52.5°	152.1
55°	130.6
57.5°	111.8
60°	95.6
62.5°	81.5
65°	68.7
67.5°	57.9
70°	48.5
72.5°	39.0
75°	31.0
77.5°	23.6
80°	16.8
82.5°	11.4
85°	6.7
87.5°	2.7
90°	0.0

(END OF REPORT)