

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: P364664

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364664
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-FEU6B12-8035-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: 1498.0 lumens
Efficiency: N/A
Efficacy: 73.8 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

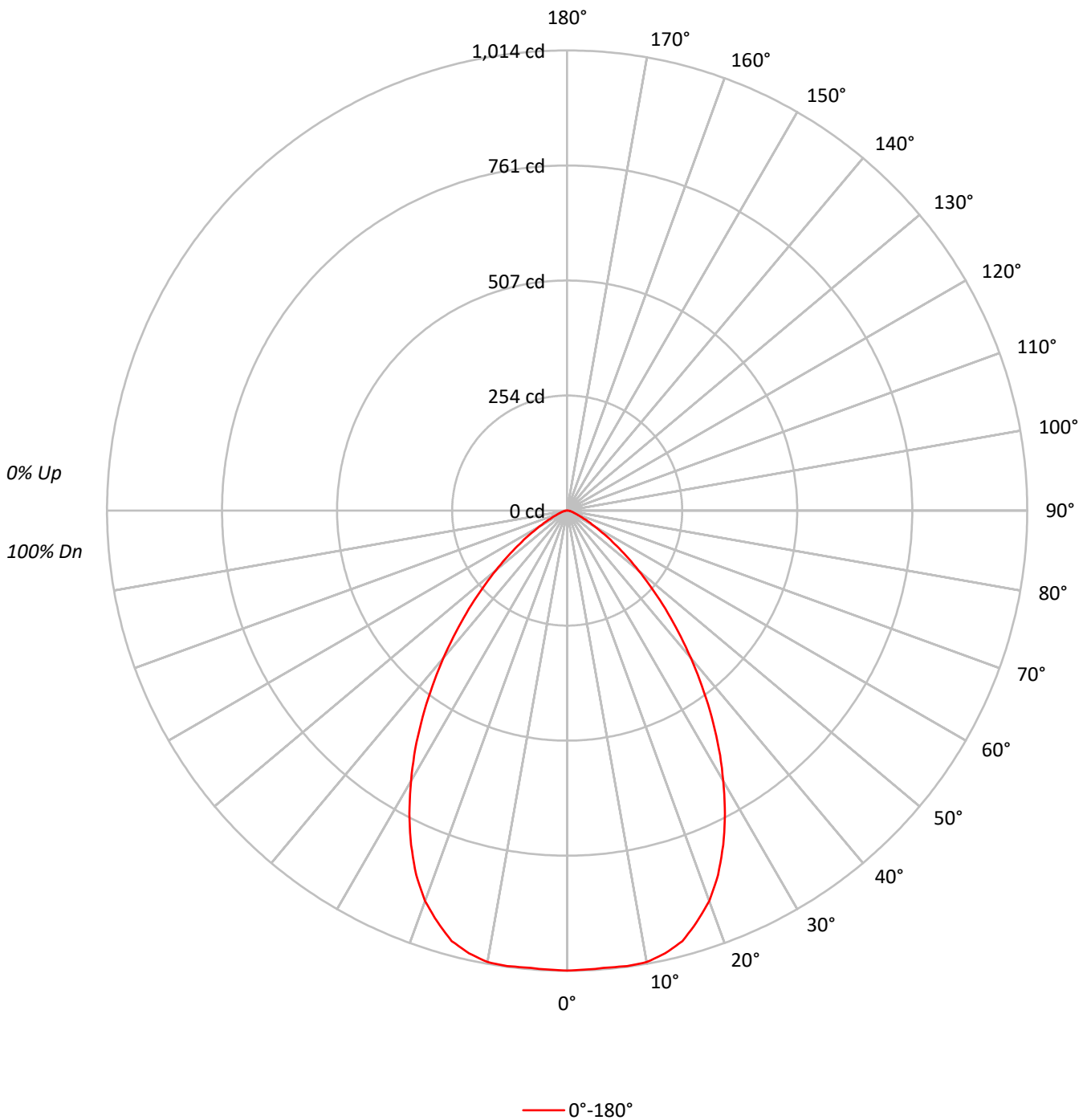
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	72576
5°	72659
10°	73448
15°	72801
20°	69758
25°	64262
30°	56875
35°	48495
40°	39612
45°	30976
50°	22847
55°	15841
60°	10110
65°	6150
70°	4166
75°	3237
80°	2845
85°	3943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	6.4
10°-20°	274.6	18.3
20°-30°	371.5	24.8
30°-40°	345.5	23.1
40°-50°	236.8	15.8
50°-60°	116.7	7.8
60°-70°	39.0	2.6
70°-80°	12.9	0.9
80°-90°	4.5	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°	742.6	49.6
0°-40°	1088.2	72.6
0°-60°	1441.6	96.2
0°-90°	1498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1498.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1014	
5°	1011	97
15°	982	275
25°	813	371
35°	555	346
45°	306	237
55°	127	117
65°	36	39
75°	12	13
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1013.6
2.5°	1012.2
5°	1010.9
7.5°	1012.2
10°	1010.2
12.5°	999.2
15°	982.1
17.5°	950.5
20°	915.5
22.5°	868.9
25°	813.4
27.5°	753.0
30°	687.9
32.5°	622.7
35°	554.8
37.5°	487.6
40°	423.8
42.5°	362.1
45°	305.9
47.5°	252.4
50°	205.1
52.5°	163.9
55°	126.9
57.5°	96.7
60°	70.6
62.5°	50.7
65°	36.3
67.5°	26.1
70°	19.9
72.5°	15.1
75°	11.7
77.5°	8.9
80°	6.9
82.5°	5.5
85°	4.8
87.5°	2.7
90°	0.0

(END OF REPORT)