

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: P364699

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1566.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

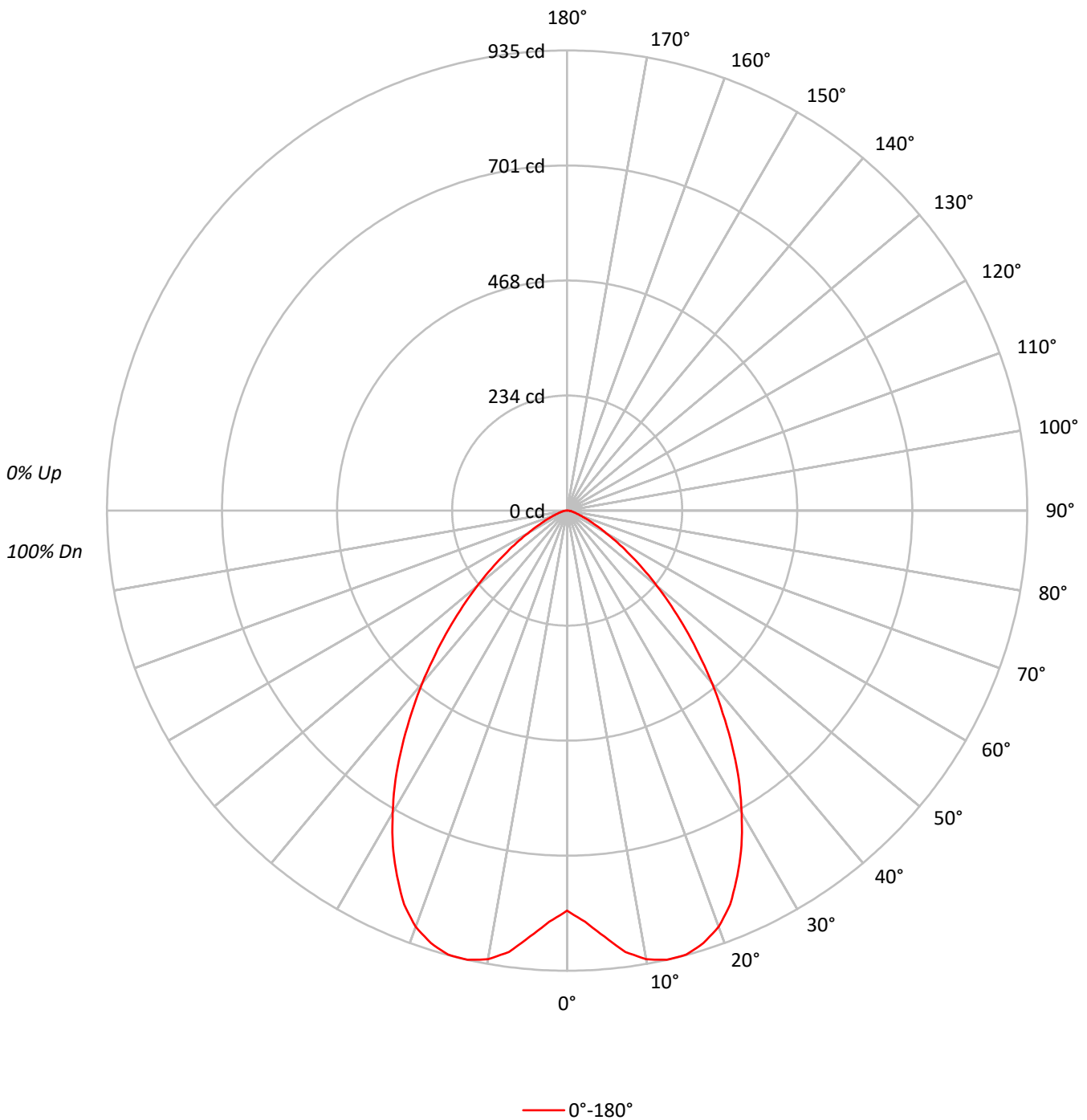
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58198
5°	62453
10°	67304
15°	69250
20°	68593
25°	64665
30°	58636
35°	51135
40°	42865
45°	34510
50°	26567
55°	19324
60°	13117
65°	8658
70°	5652
75°	4316
80°	3794
85°	4683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	5.4
10°-20°	262.1	16.7
20°-30°	374.2	23.9
30°-40°	364.1	23.2
40°-50°	263.4	16.8
50°-60°	141.2	9.0
60°-70°	53.2	3.4
70°-80°	17.5	1.1
80°-90°	5.5	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°	721.2	46.0
0°-40°	1085.3	69.3
0°-60°	1489.8	95.1
0°-90°	1566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1566.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	813	
5°	869	85
15°	934	262
25°	818	374
35°	585	364
45°	341	263
55°	155	141
65°	51	53
75°	16	17
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	812.8
2.5°	836.3
5°	868.9
7.5°	904.4
10°	925.7
12.5°	934.9
15°	934.2
17.5°	921.5
20°	900.2
22.5°	866.1
25°	818.5
27.5°	767.4
30°	709.2
32.5°	649.6
35°	585.0
37.5°	519.7
40°	458.6
42.5°	396.1
45°	340.8
47.5°	286.8
50°	238.5
52.5°	193.8
55°	154.8
57.5°	121.4
60°	91.6
62.5°	68.9
65°	51.1
67.5°	36.9
70°	27.0
72.5°	20.6
75°	15.6
77.5°	12.1
80°	9.2
82.5°	7.1
85°	5.7
87.5°	2.8
90°	0.0

(END OF REPORT)