

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: P364627

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364627
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-FEU6B12-8027-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: 1419.0 lumens
Efficiency: N/A
Efficacy: 69.9 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

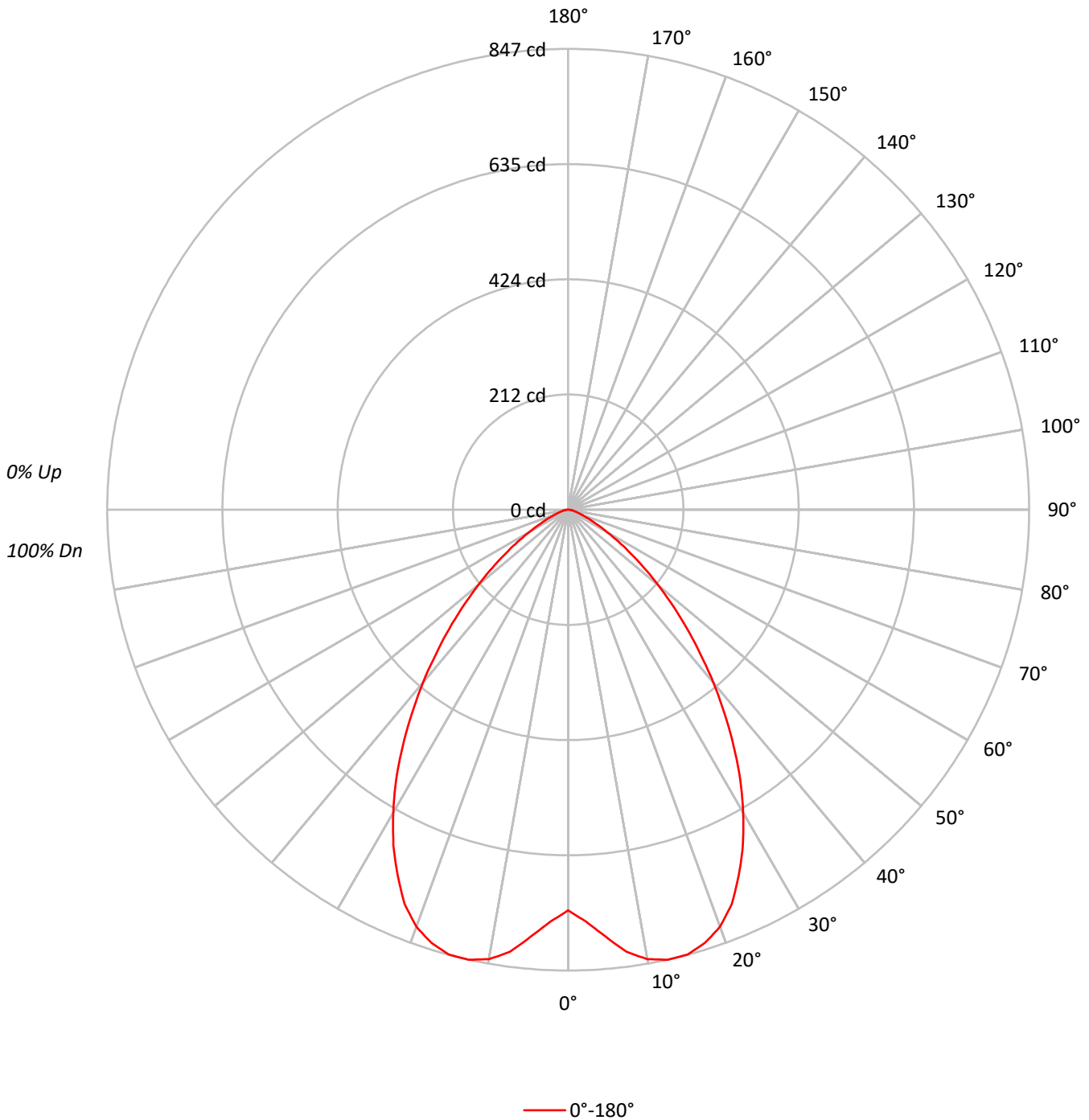
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	52735
5°	56595
10°	60986
15°	62749
20°	62154
25°	58597
30°	53129
35°	46336
40°	38837
45°	31269
50°	24072
55°	17502
60°	11886
65°	7844
70°	5108
75°	3928
80°	3464
85°	4190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	5.4
10°-20°	237.5	16.7
20°-30°	339.1	23.9
30°-40°	329.9	23.2
40°-50°	238.6	16.8
50°-60°	127.9	9.0
60°-70°	48.2	3.4
70°-80°	15.9	1.1
80°-90°	5.0	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°	653.5	46.1
0°-40°	983.4	69.3
0°-60°	1349.9	95.1
0°-90°	1419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1419.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	736	
5°	787	77
15°	846	237
25°	742	339
35°	530	330
45°	309	239
55°	140	128
65°	46	48
75°	14	16
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	736.5
2.5°	757.8
5°	787.4
7.5°	819.5
10°	838.8
12.5°	847.2
15°	846.5
17.5°	835.0
20°	815.7
22.5°	784.8
25°	741.7
27.5°	695.4
30°	642.6
32.5°	588.6
35°	530.1
37.5°	470.9
40°	415.5
42.5°	358.9
45°	308.8
47.5°	259.9
50°	216.1
52.5°	175.6
55°	140.2
57.5°	110.0
60°	83.0
62.5°	62.4
65°	46.3
67.5°	33.4
70°	24.4
72.5°	18.7
75°	14.2
77.5°	10.9
80°	8.4
82.5°	6.4
85°	5.1
87.5°	2.6
90°	0.0

(END OF REPORT)