

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: P366131

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-WMH-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1860.9 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

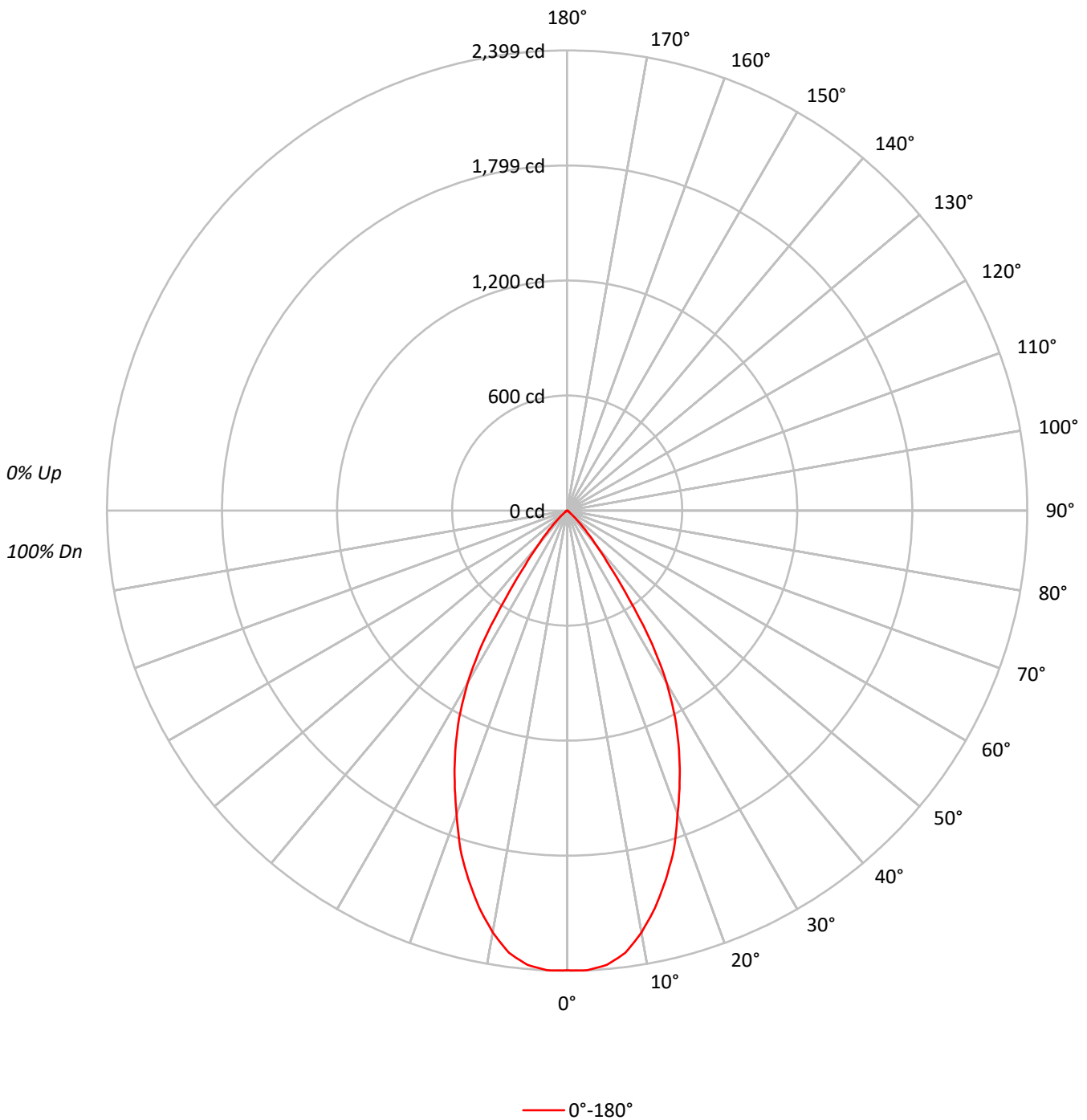
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65469
5°	65193
10°	61930
15°	56255
20°	48951
25°	41616
30°	32736
35°	18677
40°	8404
45°	3538
50°	1118
55°	338
60°	235
65°	181
70°	168
75°	222
80°	110
85°	219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.4	12.0
10°-20°	553.4	29.7
20°-30°	627.0	33.7
30°-40°	363.5	19.5
40°-50°	80.6	4.3
50°-60°	8.9	0.5
60°-70°	2.9	0.2
70°-80°	1.8	0.1
80°-90°	0.5	0.0
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°	1402.8	75.4
0°-40°	1766.3	94.9
0°-60°	1855.8	99.7
0°-90°	1860.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1860.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2397	
5°	2378	222
15°	1989	553
25°	1381	627
35°	560	363
45°	92	81
55°	7	9
65°	3	3
75°	2	2
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2396.8
2.5°	2398.9
5°	2377.6
7.5°	2325.8
10°	2232.8
12.5°	2119.9
15°	1989.3
17.5°	1851.5
20°	1684.0
22.5°	1532.8
25°	1380.8
27.5°	1219.0
30°	1037.9
32.5°	824.2
35°	560.1
37.5°	359.9
40°	235.7
42.5°	154.1
45°	91.6
47.5°	51.1
50°	26.3
52.5°	12.1
55°	7.1
57.5°	5.7
60°	4.3
62.5°	3.5
65°	2.8
67.5°	2.1
70°	2.1
72.5°	2.1
75°	2.1
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)