

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: P366108

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-WMH-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1496.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

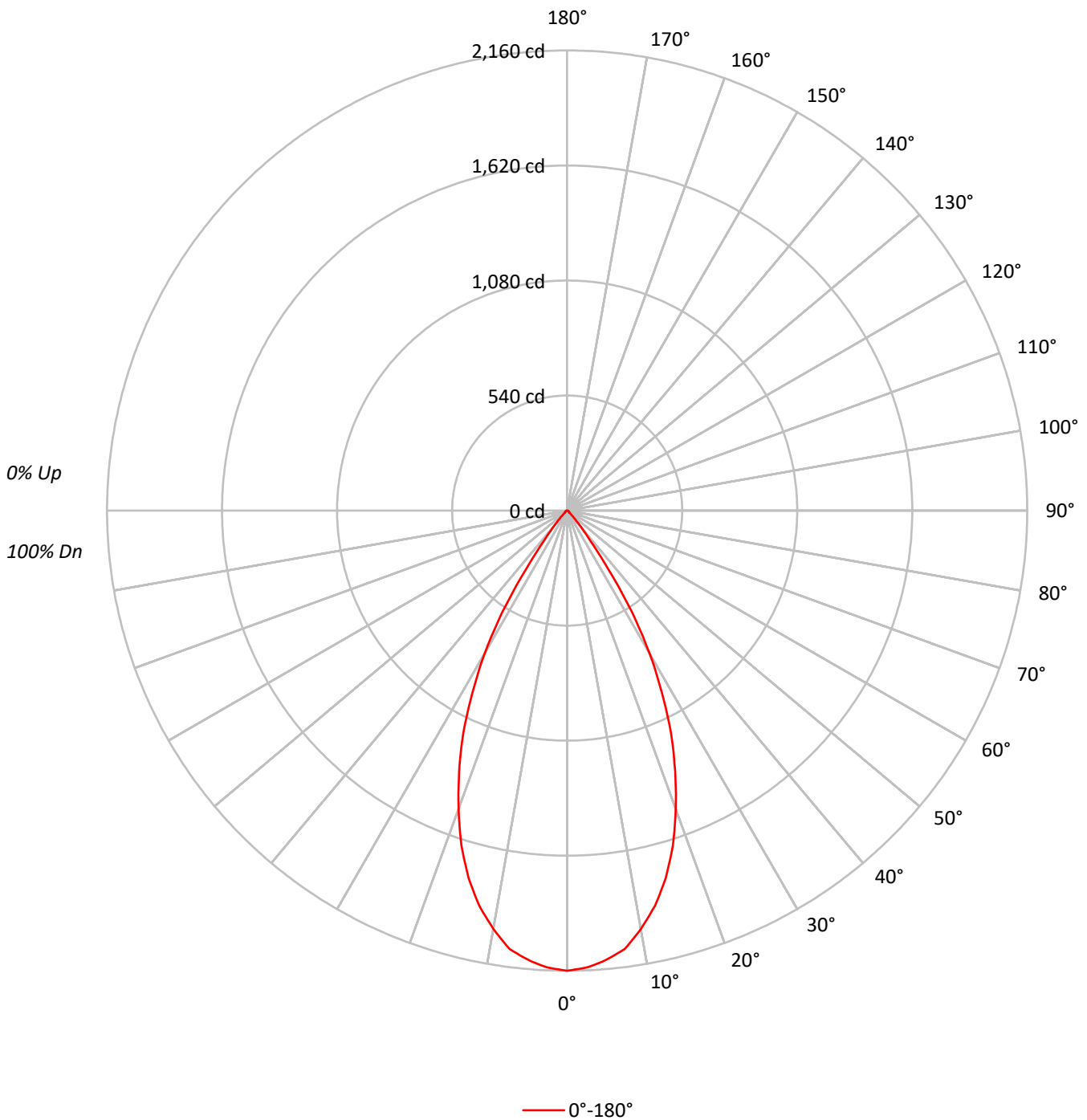
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	154667
5°	152124
10°	144948
15°	132451
20°	113587
25°	91139
30°	63902
35°	29527
40°	9478
45°	3058
50°	1426
55°	1261
60°	1246
65°	1135
70°	1130
75°	1300
80°	1649
85°	2793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.5	13.3
10°-20°	494.5	33.1
20°-30°	519.3	34.7
30°-40°	230.4	15.4
40°-50°	29.8	2.0
50°-60°	9.3	0.6
60°-70°	6.6	0.4
70°-80°	4.8	0.3
80°-90°	2.9	0.2
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°	1212.2	81.0
0°-40°	1442.7	96.4
0°-60°	1481.7	99.0
0°-90°	1496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1496.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2160	
5°	2116	198
15°	1787	494
25°	1154	519
35°	338	230
45°	30	30
55°	10	9
65°	7	7
75°	5	5
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2160.1
2.5°	2146.7
5°	2116.5
7.5°	2075.5
10°	1993.6
12.5°	1901.6
15°	1786.8
17.5°	1649.2
20°	1490.7
22.5°	1324.2
25°	1153.6
27.5°	962.2
30°	772.9
32.5°	568.1
35°	337.8
37.5°	180.0
40°	101.4
42.5°	55.7
45°	30.2
47.5°	15.4
50°	12.8
52.5°	11.4
55°	10.1
57.5°	9.4
60°	8.7
62.5°	7.4
65°	6.7
67.5°	5.4
70°	5.4
72.5°	4.7
75°	4.7
77.5°	4.0
80°	4.0
82.5°	3.4
85°	3.4
87.5°	2.0
90°	0.0

(END OF REPORT)