

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: P366145

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1527.0 lumens
Efficiency: N/A
Efficacy: 75.2 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

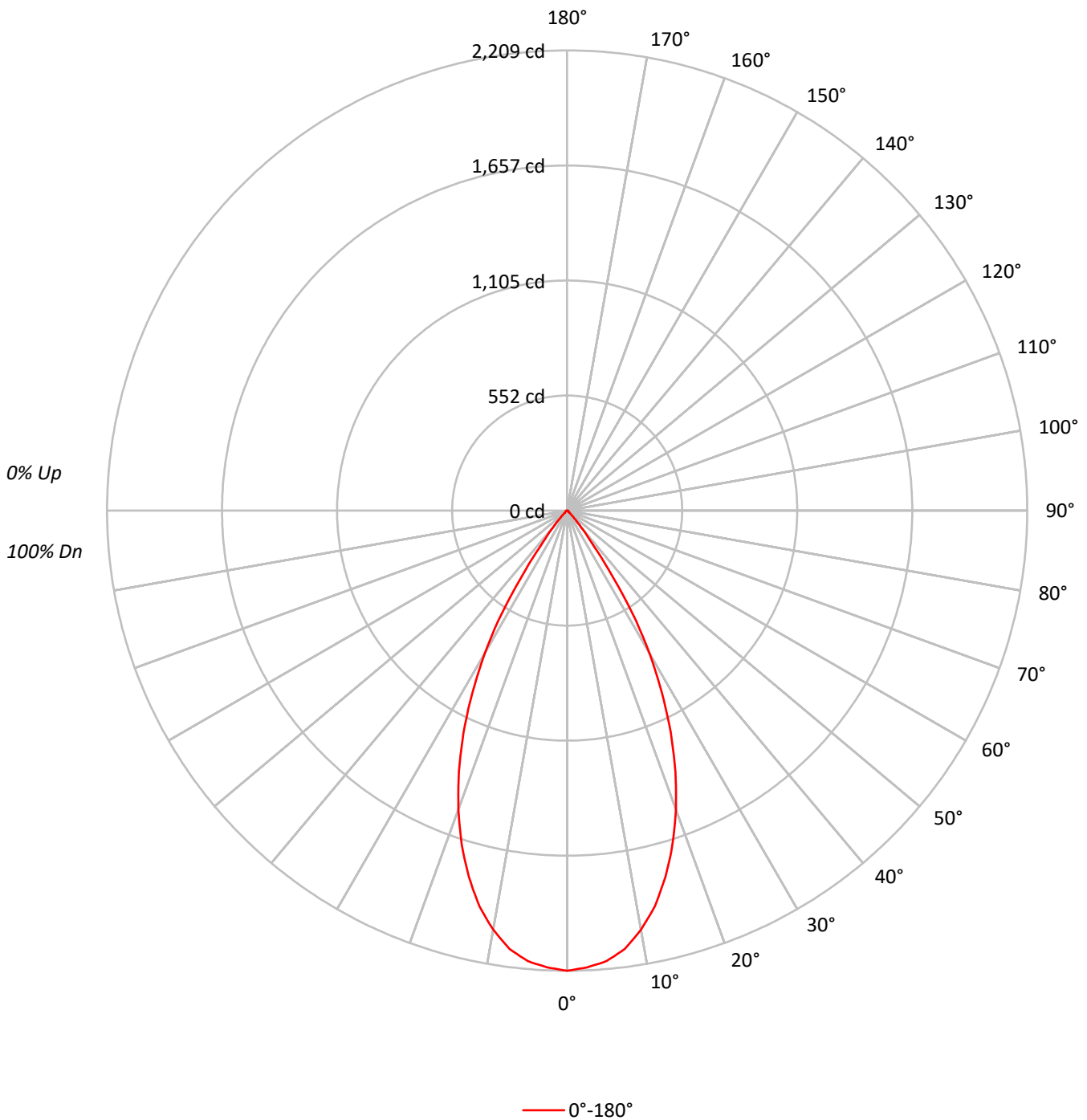
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	158168
5°	156041
10°	148532
15°	135024
20°	116269
25°	92948
30°	65167
35°	30314
40°	9581
45°	2997
50°	1314
55°	1236
60°	1131
65°	1000
70°	1110
75°	1273
80°	1608
85°	2711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.2	13.3
10°-20°	505.1	33.1
20°-30°	531.0	34.8
30°-40°	235.6	15.4
40°-50°	29.5	1.9
50°-60°	8.8	0.6
60°-70°	6.2	0.4
70°-80°	4.9	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°	1239.3	81.2
0°-40°	1474.8	96.6
0°-60°	1513.1	99.1
0°-90°	1527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1527.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2209	
5°	2171	203
15°	1822	505
25°	1176	531
35°	347	236
45°	30	29
55°	10	9
65°	6	6
75°	5	5
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2209.0
2.5°	2194.6
5°	2171.0
7.5°	2122.3
10°	2042.9
12.5°	1945.6
15°	1821.5
17.5°	1681.6
20°	1525.9
22.5°	1357.1
25°	1176.5
27.5°	984.6
30°	788.2
32.5°	580.0
35°	346.8
37.5°	184.6
40°	102.5
42.5°	55.8
45°	29.6
47.5°	14.5
50°	11.8
52.5°	10.5
55°	9.9
57.5°	9.2
60°	7.9
62.5°	7.2
65°	5.9
67.5°	5.3
70°	5.3
72.5°	4.6
75°	4.6
77.5°	4.6
80°	3.9
82.5°	3.3
85°	3.3
87.5°	2.0
90°	0.0

(END OF REPORT)