

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: P366142

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366142
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-FEU6B12-8050-F6LBXVM1-WMH-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1570.0 lumens
Efficiency: N/A
Efficacy: 77.3 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

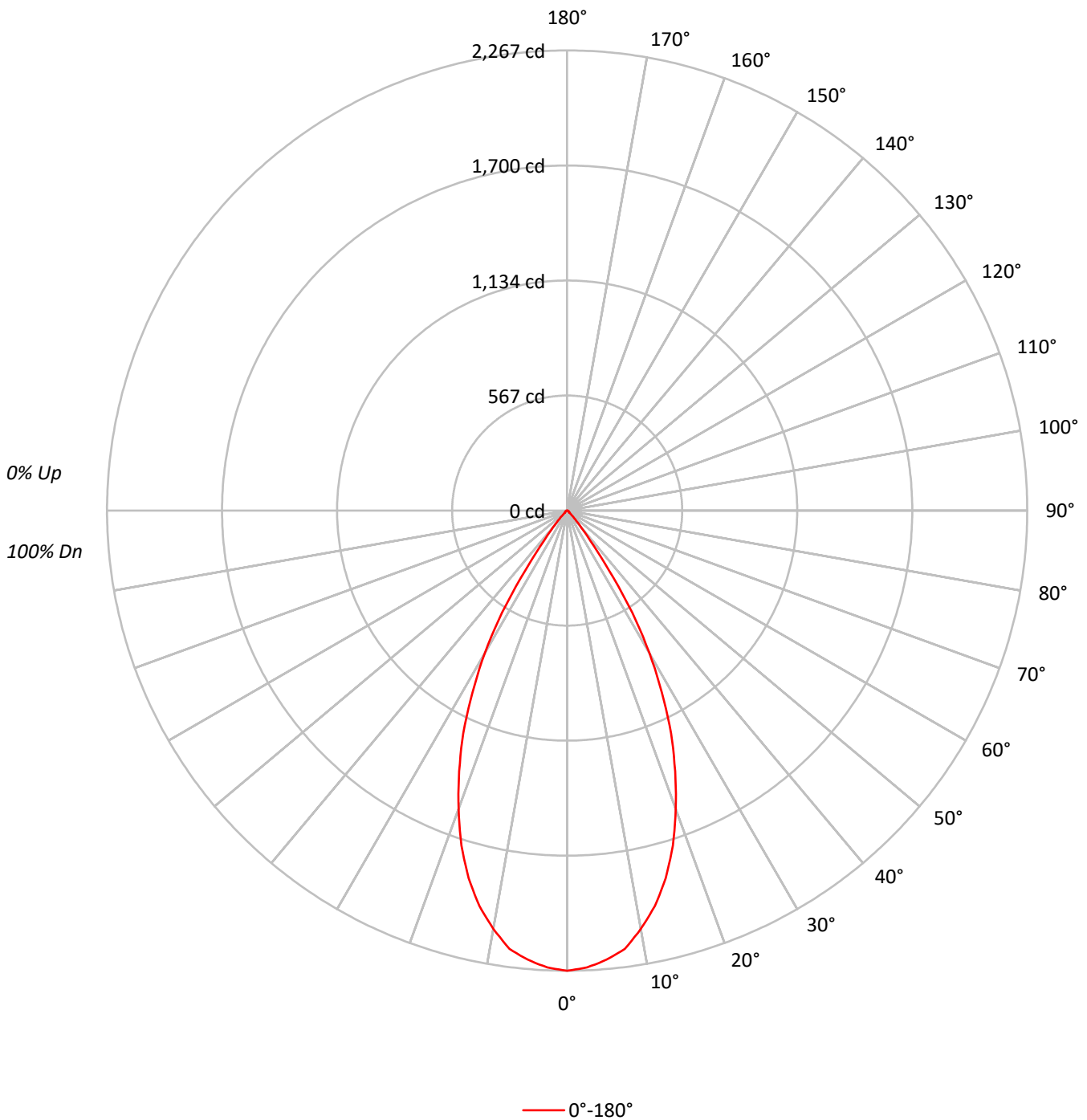
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	162321
5°	159650
10°	152116
15°	139004
20°	119203
25°	95650
30°	67061
35°	30987
40°	9945
45°	3210
50°	1493
55°	1323
60°	1317
65°	1186
70°	1172
75°	1356
80°	1732
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.3	13.3
10°-20°	518.9	33.1
20°-30°	545.0	34.7
30°-40°	241.8	15.4
40°-50°	31.2	2.0
50°-60°	9.8	0.6
60°-70°	6.9	0.4
70°-80°	5.0	0.3
80°-90°	3.1	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°	1272.2	81.0
0°-40°	1514.0	96.4
0°-60°	1555.1	99.0
0°-90°	1570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1570.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2267	
5°	2221	208
15°	1875	519
25°	1211	545
35°	354	242
45°	32	31
55°	11	10
65°	7	7
75°	5	5
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2267.0
2.5°	2252.9
5°	2221.2
7.5°	2178.2
10°	2092.2
12.5°	1995.7
15°	1875.2
17.5°	1730.7
20°	1564.4
22.5°	1389.7
25°	1210.7
27.5°	1009.8
30°	811.1
32.5°	596.2
35°	354.5
37.5°	188.9
40°	106.4
42.5°	58.5
45°	31.7
47.5°	16.2
50°	13.4
52.5°	12.0
55°	10.6
57.5°	9.9
60°	9.2
62.5°	7.8
65°	7.0
67.5°	5.6
70°	5.6
72.5°	4.9
75°	4.9
77.5°	4.2
80°	4.2
82.5°	3.5
85°	3.5
87.5°	2.1
90°	0.0

(END OF REPORT)