

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: P366066

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1458.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

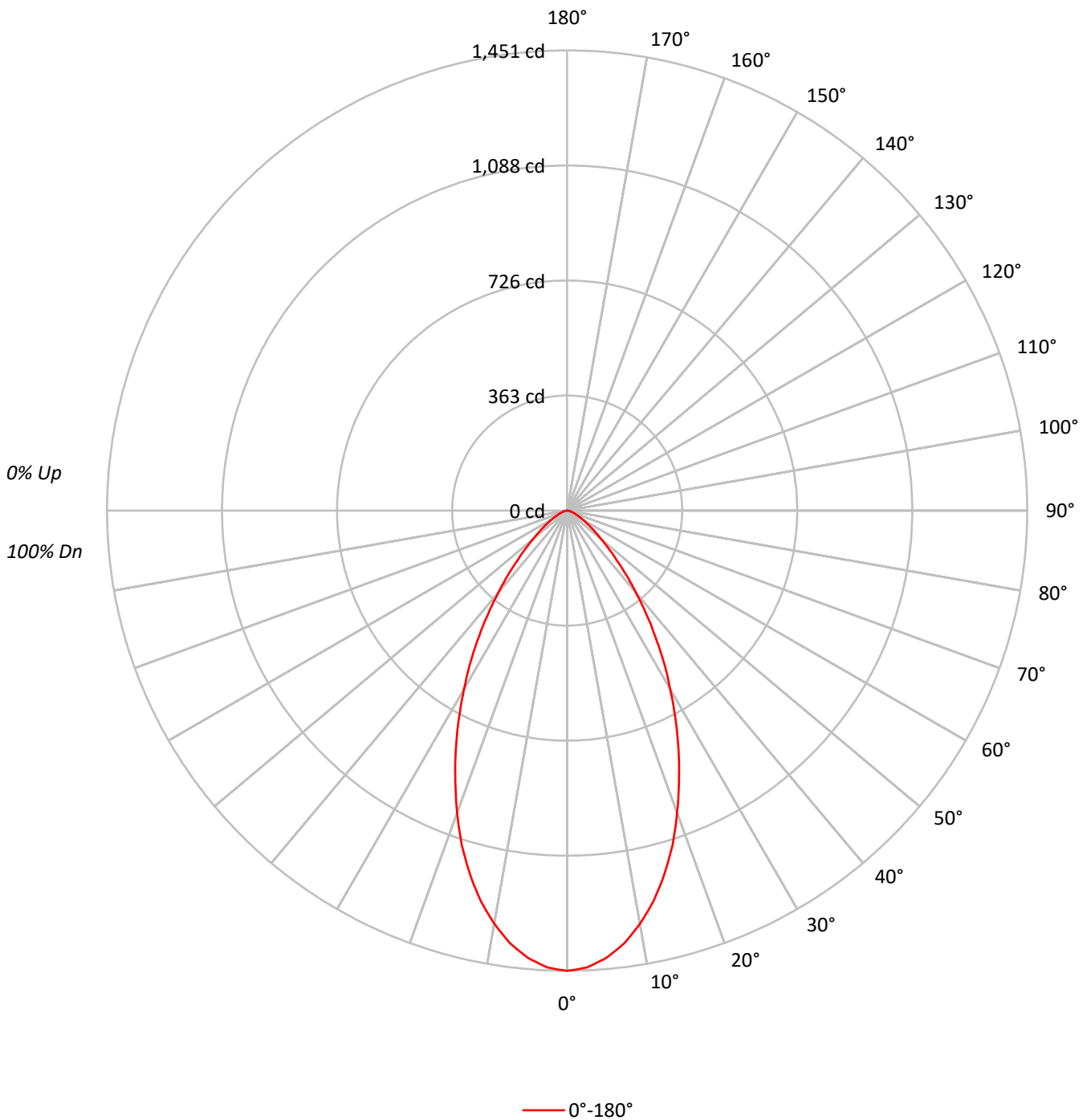
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103916
5°	101768
10°	96205
15°	87930
20°	77249
25°	65660
30°	53716
35°	42289
40°	31509
45°	22338
50°	15762
55°	11322
60°	8105
65°	5879
70°	4585
75°	3735
80°	3175
85°	3204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	9.1
10°-20°	330.1	22.6
20°-30°	379.7	26.0
30°-40°	303.0	20.8
40°-50°	174.6	12.0
50°-60°	83.2	5.7
60°-70°	36.0	2.5
70°-80°	14.8	1.0
80°-90°	4.4	0.3
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°	842.0	57.7
0°-40°	1144.9	78.5
0°-60°	1402.8	96.2
0°-90°	1458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1458.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1451	
5°	1416	132
15°	1186	330
25°	831	380
35°	484	303
45°	221	175
55°	91	83
65°	35	36
75°	14	15
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1451.3
2.5°	1442.2
5°	1415.9
7.5°	1376.6
10°	1323.2
12.5°	1260.8
15°	1186.2
17.5°	1105.2
20°	1013.8
22.5°	921.8
25°	831.1
27.5°	739.1
30°	649.7
32.5°	568.0
35°	483.8
37.5°	408.5
40°	337.1
42.5°	276.0
45°	220.6
47.5°	176.9
50°	141.5
52.5°	113.2
55°	90.7
57.5°	71.4
60°	56.6
62.5°	44.4
65°	34.7
67.5°	27.7
70°	21.9
72.5°	17.4
75°	13.5
77.5°	10.3
80°	7.7
82.5°	5.8
85°	3.9
87.5°	2.6
90°	0.0

(END OF REPORT)