

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: P365354

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
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-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1206.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

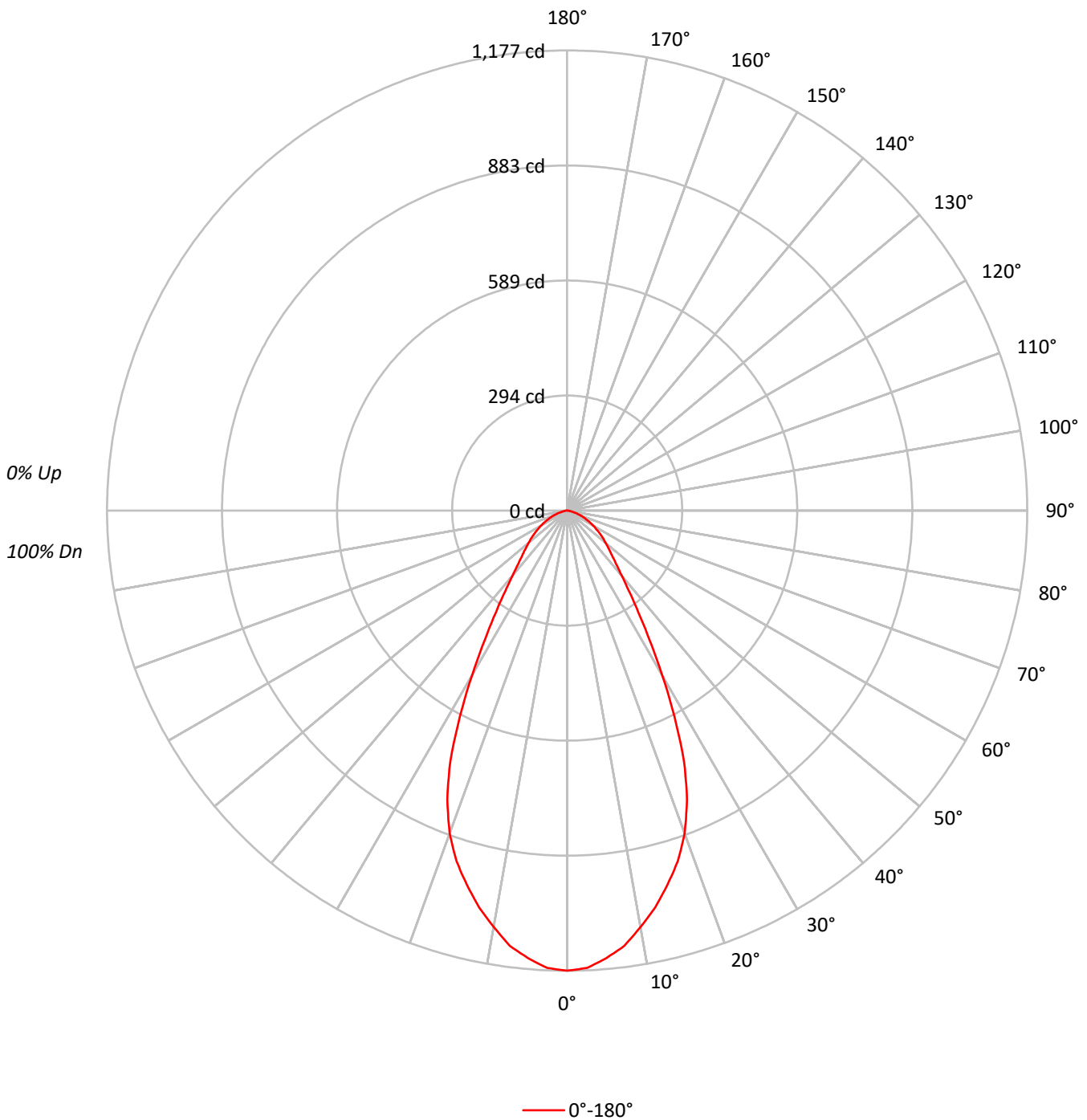
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84254
5°	82592
10°	78632
15°	73446
20°	66916
25°	55864
30°	40157
35°	27726
40°	20264
45°	16414
50°	14336
55°	12696
60°	11055
65°	9369
70°	7537
75°	5339
80°	3711
85°	4190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	8.9
10°-20°	277.1	23.0
20°-30°	316.7	26.3
30°-40°	203.8	16.9
40°-50°	127.7	10.6
50°-60°	91.2	7.6
60°-70°	55.3	4.6
70°-80°	21.7	1.8
80°-90°	4.9	0.4
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°	701.5	58.2
0°-40°	905.2	75.1
0°-60°	1124.1	93.2
0°-90°	1206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1177	
5°	1149	108
15°	991	277
25°	707	317
35°	317	204
45°	162	128
55°	102	91
65°	55	55
75°	19	22
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1176.7
2.5°	1170.9
5°	1149.1
7.5°	1122.7
10°	1081.5
12.5°	1039.7
15°	990.8
17.5°	940.6
20°	878.2
22.5°	801.0
25°	707.1
27.5°	593.8
30°	485.7
32.5°	390.5
35°	317.2
37.5°	259.3
40°	216.8
42.5°	185.3
45°	162.1
47.5°	144.1
50°	128.7
52.5°	115.2
55°	101.7
57.5°	88.8
60°	77.2
62.5°	66.3
65°	55.3
67.5°	45.7
70°	36.0
72.5°	27.0
75°	19.3
77.5°	13.5
80°	9.0
82.5°	5.8
85°	5.1
87.5°	2.6
90°	0.0

(END OF REPORT)