

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: P365353

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1115.0 lumens
Efficiency: N/A
Efficacy: 54.9 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

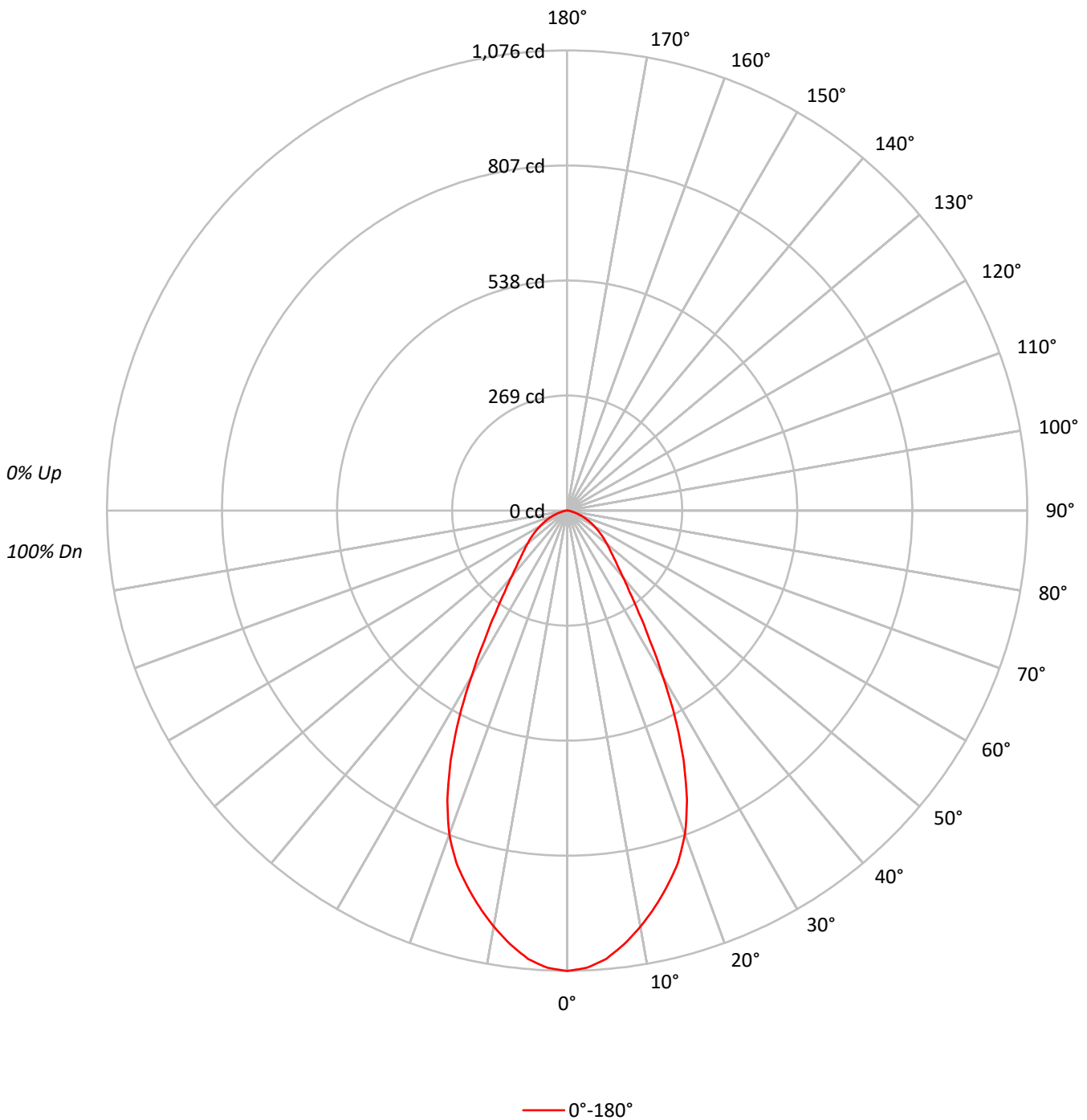
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77079
5°	75620
10°	71812
15°	67256
20°	61384
25°	50886
30°	36924
35°	25532
40°	18890
45°	15442
50°	13545
55°	12046
60°	10511
65°	8946
70°	7139
75°	5173
80°	3711
85°	4190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	8.8
10°-20°	253.7	22.8
20°-30°	290.2	26.0
30°-40°	188.1	16.9
40°-50°	120.0	10.8
50°-60°	86.4	7.7
60°-70°	52.5	4.7
70°-80°	20.9	1.9
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°	642.2	57.6
0°-40°	830.3	74.5
0°-60°	1036.6	93.0
0°-90°	1115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1115.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1076	
5°	1052	98
15°	907	254
25°	644	290
35°	292	188
45°	152	120
55°	96	86
65°	53	53
75°	19	21
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1076.5
2.5°	1070.1
5°	1052.1
7.5°	1022.5
10°	987.7
12.5°	949.1
15°	907.3
17.5°	862.9
20°	805.6
22.5°	732.3
25°	644.1
27.5°	547.6
30°	446.6
32.5°	359.7
35°	292.1
37.5°	240.7
40°	202.1
42.5°	173.7
45°	152.5
47.5°	135.8
50°	121.6
52.5°	108.7
55°	96.5
57.5°	84.3
60°	73.4
62.5°	63.1
65°	52.8
67.5°	43.1
70°	34.1
72.5°	26.4
75°	18.7
77.5°	12.9
80°	9.0
82.5°	5.8
85°	5.1
87.5°	2.6
90°	0.0

(END OF REPORT)