

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: P365418

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1231.1 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

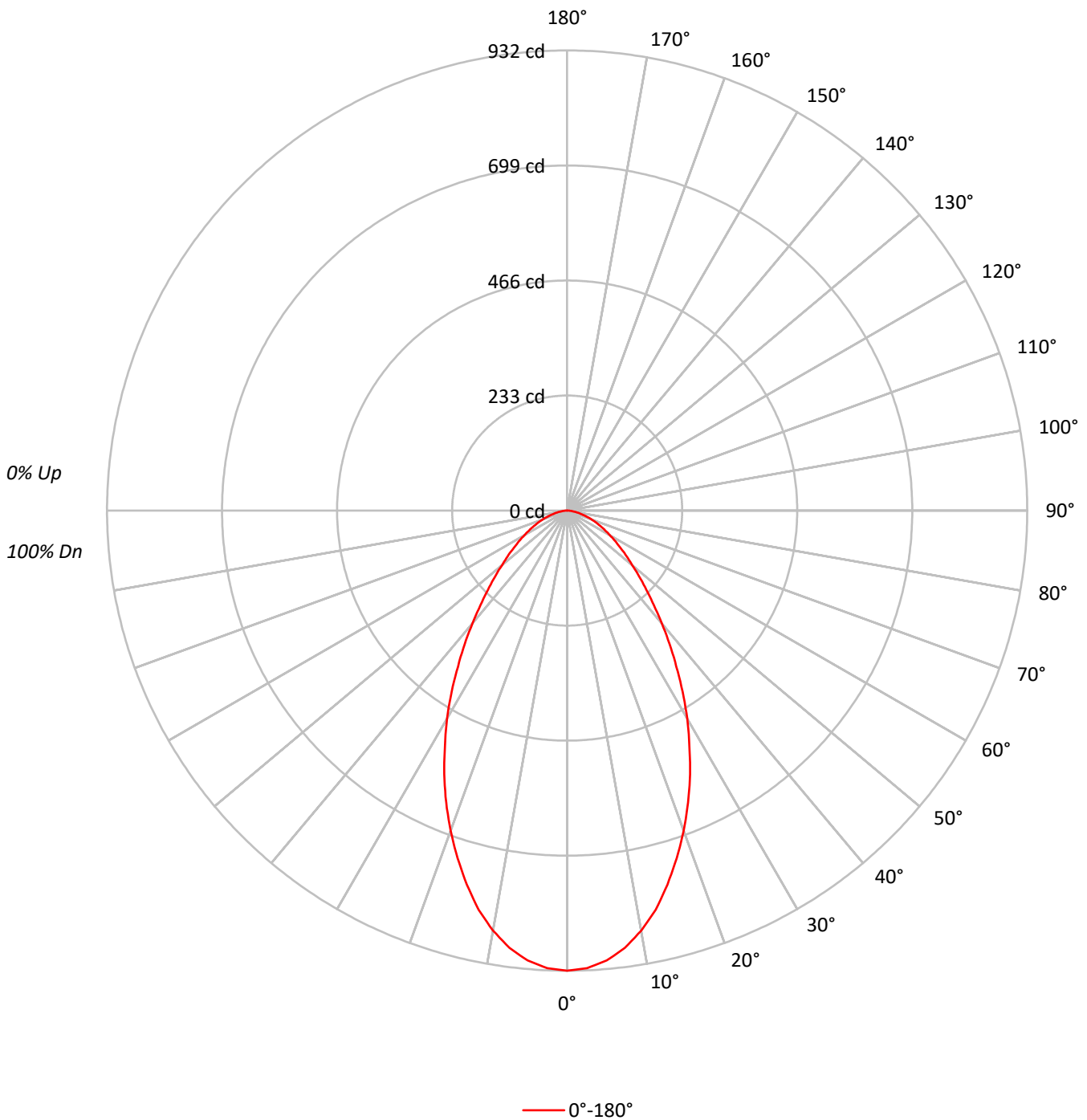
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66726
5°	65752
10°	62797
15°	58131
20°	52568
25°	46541
30°	40198
35°	33688
40°	27863
45°	22996
50°	19215
55°	16478
60°	14335
65°	12622
70°	10991
75°	9240
80°	7628
85°	5833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	7.0
10°-20°	219.1	17.8
20°-30°	269.5	21.9
30°-40°	241.6	19.6
40°-50°	176.8	14.4
50°-60°	119.6	9.7
60°-70°	74.3	6.0
70°-80°	35.9	2.9
80°-90°	8.5	0.7
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°	574.3	46.6
0°-40°	815.9	66.3
0°-60°	1112.4	90.4
0°-90°	1231.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	932	
5°	915	86
15°	784	219
25°	589	270
35°	385	242
45°	227	177
55°	132	120
65°	74	74
75°	33	36
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	931.9
2.5°	927.6
5°	914.8
7.5°	893.5
10°	863.7
12.5°	828.2
15°	784.2
17.5°	738.1
20°	689.9
22.5°	640.2
25°	589.1
27.5°	535.8
30°	486.2
32.5°	435.1
35°	385.4
37.5°	340.7
40°	298.1
42.5°	259.8
45°	227.1
47.5°	198.0
50°	172.5
52.5°	151.9
55°	132.0
57.5°	115.7
60°	100.1
62.5°	86.6
65°	74.5
67.5°	63.2
70°	52.5
72.5°	42.6
75°	33.4
77.5°	24.8
80°	18.5
82.5°	12.1
85°	7.1
87.5°	2.8
90°	0.0

(END OF REPORT)