

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: P365388

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365388
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1194.0 lumens
Efficiency: N/A
Efficacy: 58.8 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

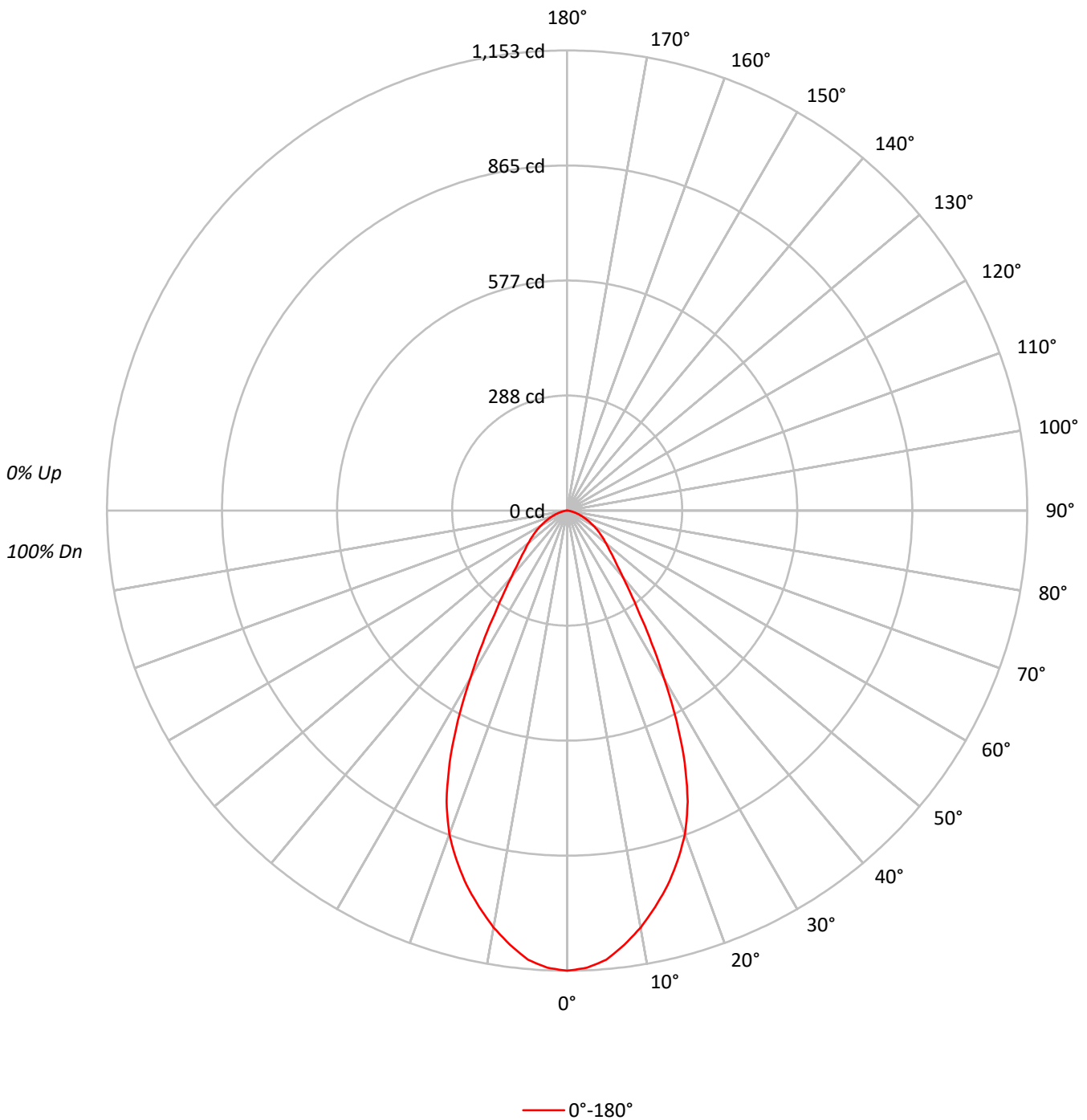
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	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	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82543
5°	81176
10°	77127
15°	72067
20°	65758
25°	55058
30°	40074
35°	27726
40°	20283
45°	16333
50°	14147
55°	12508
60°	10912
65°	9301
70°	7620
75°	5699
80°	3958
85°	3368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	8.8
10°-20°	271.5	22.7
20°-30°	313.4	26.3
30°-40°	204.4	17.1
40°-50°	126.9	10.6
50°-60°	90.1	7.5
60°-70°	54.8	4.6
70°-80°	22.7	1.9
80°-90°	4.7	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°	690.5	57.8
0°-40°	894.9	74.9
0°-60°	1111.8	93.1
0°-90°	1194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1194.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1153	
5°	1129	106
15°	972	272
25°	697	313
35°	317	204
45°	161	127
55°	100	90
65°	55	55
75°	21	23
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1152.8
2.5°	1146.6
5°	1129.4
7.5°	1097.2
10°	1060.8
12.5°	1017.5
15°	972.2
17.5°	920.0
20°	863.0
22.5°	789.6
25°	696.9
27.5°	593.2
30°	484.7
32.5°	394.1
35°	317.2
37.5°	260.2
40°	217.0
42.5°	184.7
45°	161.3
47.5°	142.1
50°	127.0
52.5°	113.3
55°	100.2
57.5°	88.6
60°	76.2
62.5°	65.2
65°	54.9
67.5°	45.3
70°	36.4
72.5°	28.2
75°	20.6
77.5°	14.4
80°	9.6
82.5°	6.2
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)