

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: P365342

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1398.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

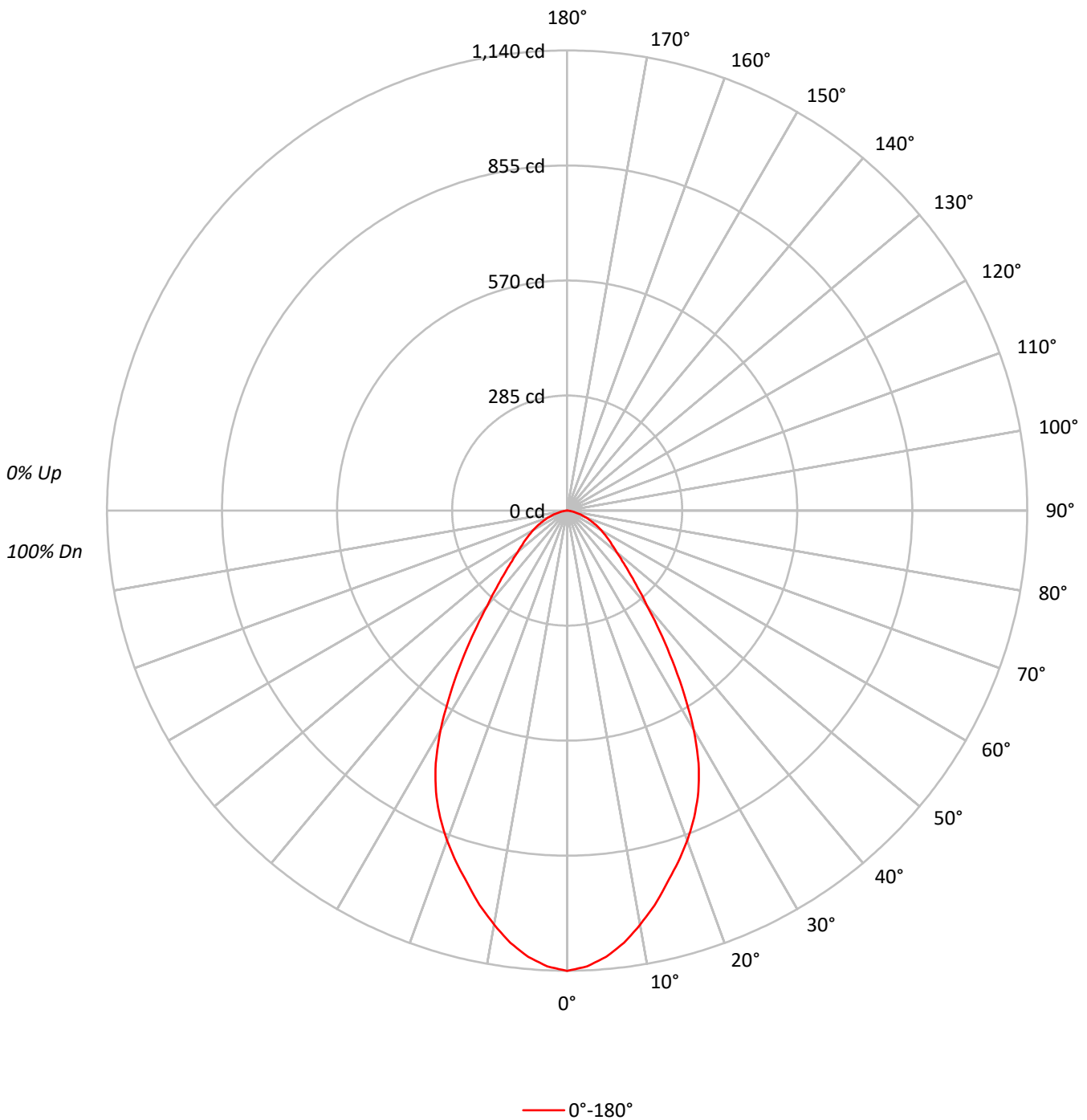
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31153
5°	30425
10°	28885
15°	27012
20°	25281
25°	23186
30°	19782
35°	15142
40°	11011
45°	8398
50°	6808
55°	5972
60°	5305
65°	4615
70°	3905
75°	3050
80°	2029
85°	815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	7.4
10°-20°	268.6	19.2
20°-30°	349.3	25.0
30°-40°	284.6	20.4
40°-50°	171.9	12.3
50°-60°	112.9	8.1
60°-70°	71.3	5.1
70°-80°	31.1	2.2
80°-90°	4.6	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°	721.6	51.6
0°-40°	1006.3	72.0
0°-60°	1291.0	92.3
0°-90°	1398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1140	
5°	1110	104
15°	955	269
25°	769	349
35°	454	285
45°	217	172
55°	125	113
65°	71	71
75°	29	31
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1140.5
2.5°	1130.2
5°	1109.6
7.5°	1080.0
10°	1041.4
12.5°	1001.6
15°	955.2
17.5°	913.4
20°	869.7
22.5°	822.7
25°	769.3
27.5°	705.7
30°	627.2
32.5°	539.7
35°	454.1
37.5°	375.7
40°	308.8
42.5°	258.6
45°	217.4
47.5°	185.3
50°	160.2
52.5°	140.9
55°	125.4
57.5°	110.6
60°	97.1
62.5°	84.3
65°	71.4
67.5°	59.8
70°	48.9
72.5°	38.6
75°	28.9
77.5°	19.9
80°	12.9
82.5°	7.1
85°	2.6
87.5°	0.6
90°	0.0

(END OF REPORT)