

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: P365395

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1570.0 lumens
Efficiency: N/A
Efficacy: 77.3 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

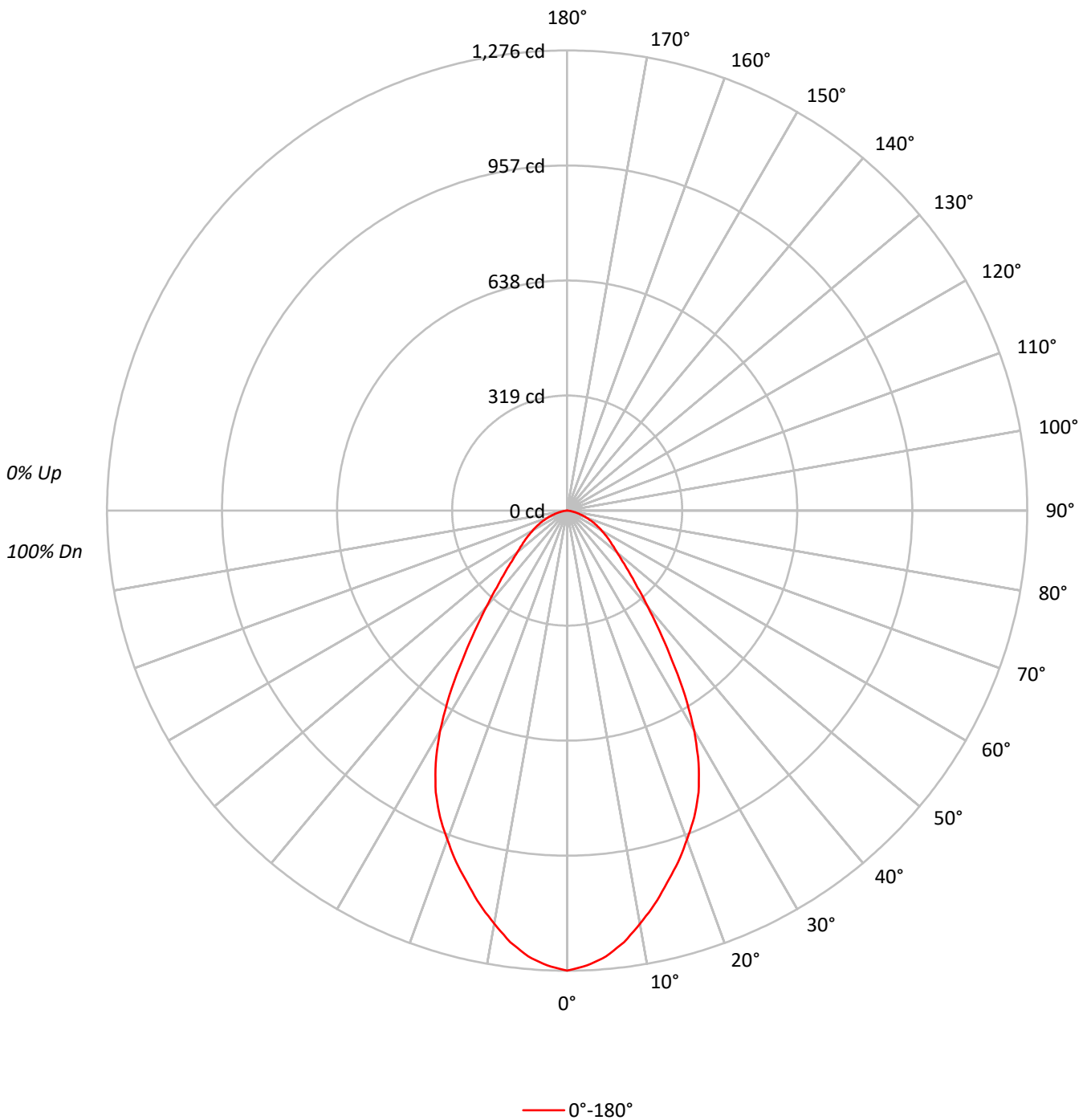
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97		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	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		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	78	68	62	57	67	61	56		65	60	56		64	59	55	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	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34843
5°	34028
10°	32269
15°	30216
20°	28220
25°	25980
30°	22205
35°	16890
40°	12377
45°	9422
50°	7683
55°	6762
60°	6020
65°	5287
70°	4480
75°	3514
80°	2391
85°	1097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	7.4
10°-20°	300.3	19.1
20°-30°	391.0	24.9
30°-40°	319.1	20.3
40°-50°	192.9	12.3
50°-60°	127.8	8.1
60°-70°	81.3	5.2
70°-80°	36.0	2.3
80°-90°	5.5	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°	807.4	51.4
0°-40°	1126.5	71.8
0°-60°	1447.2	92.2
0°-90°	1570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1570.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1276	
5°	1241	116
15°	1068	300
25°	862	391
35°	506	319
45°	244	193
55°	142	128
65°	82	81
75°	33	36
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1275.6
2.5°	1262.5
5°	1241.0
7.5°	1207.0
10°	1163.4
12.5°	1119.0
15°	1068.5
17.5°	1022.7
20°	970.8
22.5°	920.9
25°	862.0
27.5°	789.9
30°	704.0
32.5°	607.7
35°	506.5
37.5°	420.6
40°	347.1
42.5°	288.9
45°	243.9
47.5°	208.6
50°	180.8
52.5°	159.4
55°	142.0
57.5°	125.4
60°	110.2
62.5°	95.6
65°	81.8
67.5°	68.6
70°	56.1
72.5°	44.3
75°	33.3
77.5°	23.6
80°	15.2
82.5°	8.3
85°	3.5
87.5°	0.7
90°	0.0

(END OF REPORT)