

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: P365393

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
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-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1596.0 lumens
Efficiency: N/A
Efficacy: 78.6 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

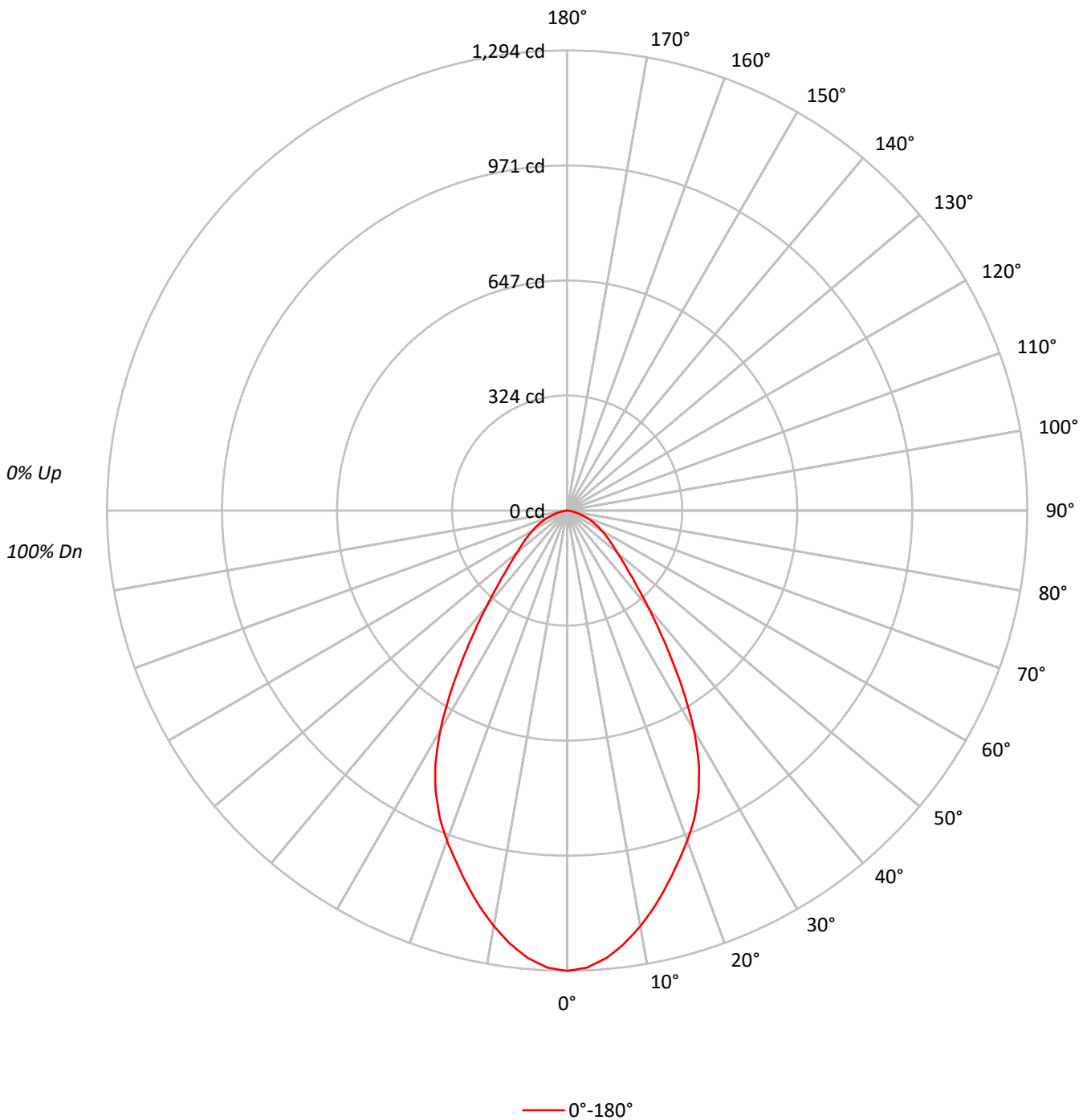
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		82	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°	35360
5°	34639
10°	32904
15°	30782
20°	28719
25°	26351
30°	22504
35°	17156
40°	12633
45°	9588
50°	7806
55°	6867
60°	6135
65°	5423
70°	4592
75°	3588
80°	2407
85°	1097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	7.4
10°-20°	305.5	19.1
20°-30°	397.0	24.9
30°-40°	323.5	20.3
40°-50°	196.4	12.3
50°-60°	129.9	8.1
60°-70°	83.4	5.2
70°-80°	36.8	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°	820.6	51.4
0°-40°	1144.1	71.7
0°-60°	1470.4	92.1
0°-90°	1596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1596.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1294	
5°	1263	118
15°	1088	305
25°	874	397
35°	514	324
45°	248	196
55°	144	130
65°	84	83
75°	34	37
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1294.5
2.5°	1286.2
5°	1263.3
7.5°	1228.6
10°	1186.3
12.5°	1139.2
15°	1088.5
17.5°	1036.5
20°	988.0
22.5°	935.3
25°	874.3
27.5°	802.2
30°	713.5
32.5°	613.6
35°	514.5
37.5°	426.4
40°	354.3
42.5°	294.0
45°	248.2
47.5°	212.2
50°	183.7
52.5°	162.2
55°	144.2
57.5°	127.6
60°	112.3
62.5°	97.8
65°	83.9
67.5°	70.7
70°	57.5
72.5°	45.1
75°	34.0
77.5°	24.3
80°	15.3
82.5°	8.3
85°	3.5
87.5°	0.7
90°	0.0

(END OF REPORT)