

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: P365359

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365359
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-FEU6B12-8030-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: 1523.1 lumens
Efficiency: N/A
Efficacy: 75.0 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

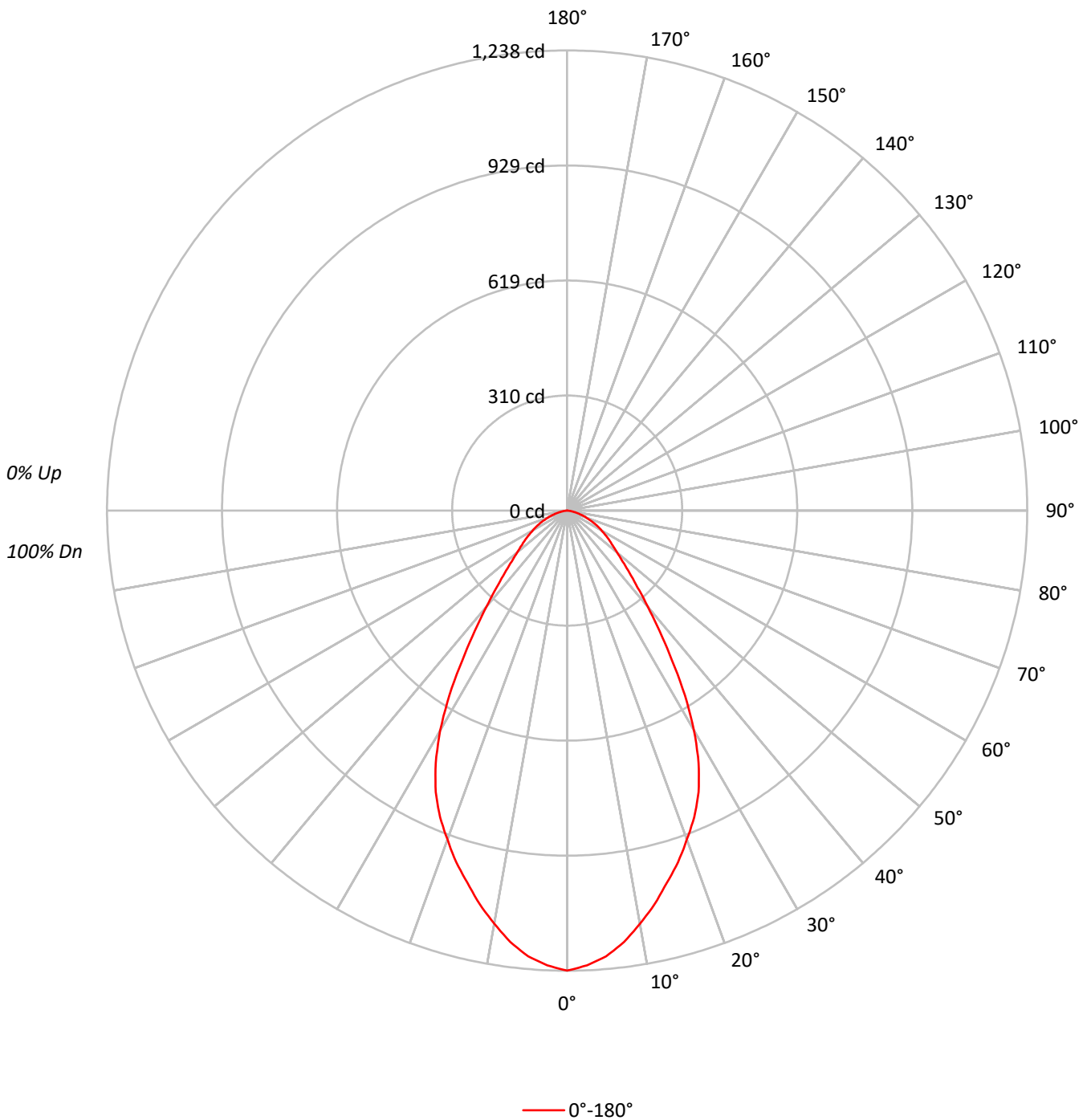
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33803
5°	33008
10°	31304
15°	29311
20°	27374
25°	25202
30°	21539
35°	16386
40°	12009
45°	9140
50°	7454
55°	6562
60°	5840
65°	5125
70°	4345
75°	3409
80°	2328
85°	1066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	7.4
10°-20°	291.3	19.1
20°-30°	379.3	24.9
30°-40°	309.6	20.3
40°-50°	187.1	12.3
50°-60°	124.0	8.1
60°-70°	78.9	5.2
70°-80°	35.0	2.3
80°-90°	5.3	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°	783.2	51.4
0°-40°	1092.8	71.7
0°-60°	1403.9	92.2
0°-90°	1523.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1238	
5°	1204	113
15°	1036	291
25°	836	379
35°	491	310
45°	237	187
55°	138	124
65°	79	79
75°	32	35
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1237.5
2.5°	1224.7
5°	1203.8
7.5°	1170.9
10°	1128.6
12.5°	1085.5
15°	1036.5
17.5°	992.1
20°	941.7
22.5°	893.3
25°	836.2
27.5°	766.3
30°	682.9
32.5°	589.5
35°	491.4
37.5°	408.0
40°	336.8
42.5°	280.3
45°	236.6
47.5°	202.3
50°	175.4
52.5°	154.6
55°	137.8
57.5°	121.7
60°	106.9
62.5°	92.8
65°	79.3
67.5°	66.5
70°	54.4
72.5°	43.0
75°	32.3
77.5°	22.9
80°	14.8
82.5°	8.1
85°	3.4
87.5°	0.7
90°	0.0

(END OF REPORT)