

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: P365362

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
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-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1630.0 lumens
Efficiency: N/A
Efficacy: 80.3 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

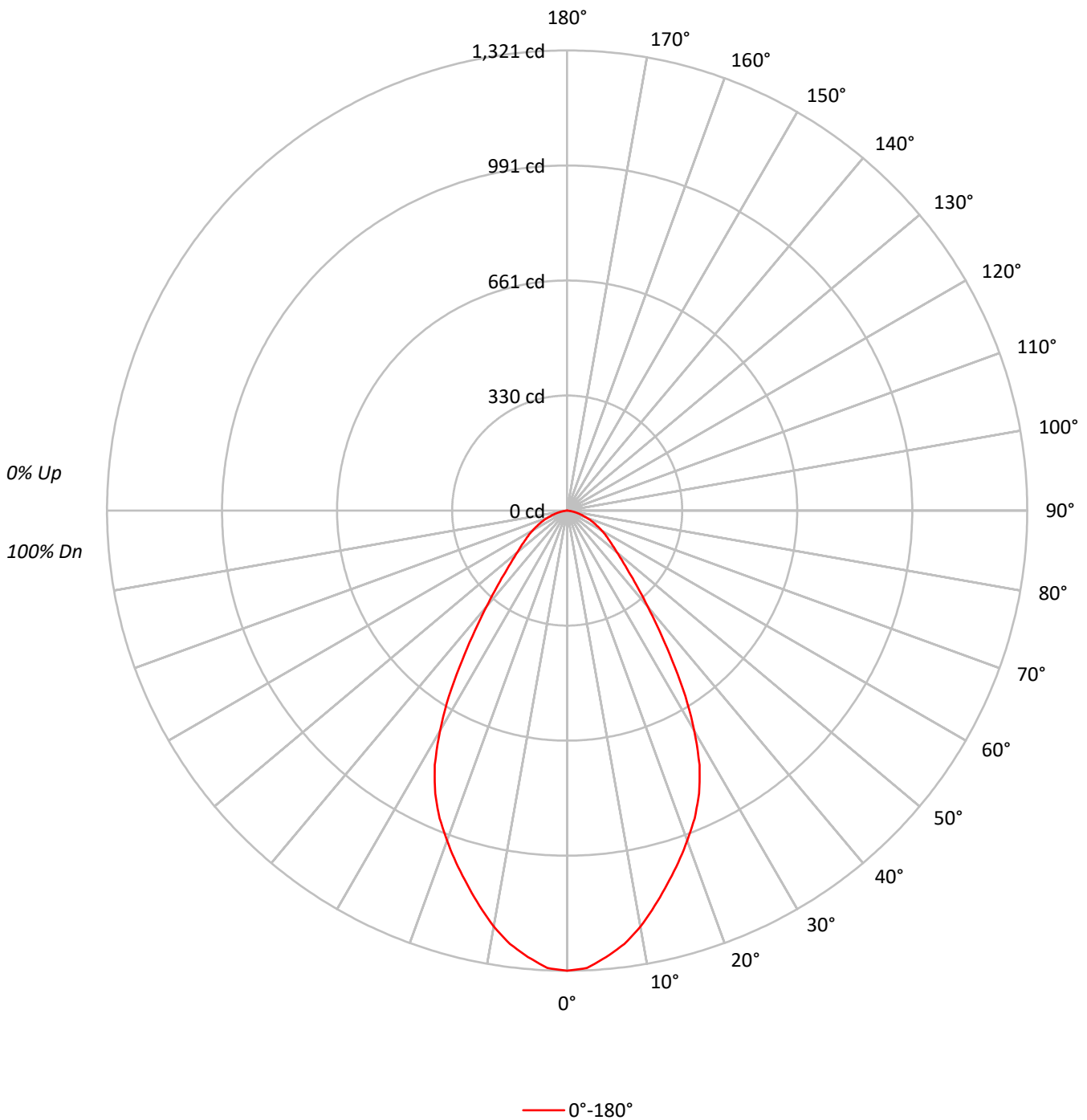
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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°	36081
5°	35278
10°	33633
15°	31398
20°	29301
25°	27014
30°	23006
35°	17503
40°	12812
45°	9746
50°	7921
55°	6953
60°	6250
65°	5526
70°	4672
75°	3694
80°	2548
85°	1066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	7.4
10°-20°	311.9	19.1
20°-30°	406.4	24.9
30°-40°	330.9	20.3
40°-50°	199.5	12.2
50°-60°	132.3	8.1
60°-70°	84.9	5.2
70°-80°	37.8	2.3
80°-90°	5.7	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°	838.9	51.5
0°-40°	1169.8	71.8
0°-60°	1501.6	92.1
0°-90°	1630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1630.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1321	
5°	1287	121
15°	1110	312
25°	896	406
35°	525	331
45°	252	200
55°	146	132
65°	86	85
75°	35	38
85°	3	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1320.9
2.5°	1314.2
5°	1286.6
7.5°	1255.0
10°	1212.6
12.5°	1162.1
15°	1110.3
17.5°	1059.9
20°	1008.0
22.5°	956.2
25°	896.3
27.5°	823.0
30°	729.4
32.5°	631.9
35°	524.9
37.5°	435.4
40°	359.3
42.5°	299.5
45°	252.3
47.5°	215.3
50°	186.4
52.5°	165.5
55°	146.0
57.5°	130.5
60°	114.4
62.5°	99.6
65°	85.5
67.5°	72.0
70°	58.5
72.5°	46.4
75°	35.0
77.5°	24.9
80°	16.2
82.5°	8.7
85°	3.4
87.5°	0.7
90°	0.0

(END OF REPORT)