

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: P365344

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365344
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-FEU6B12-8027-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: 1559.0 lumens
Efficiency: N/A
Efficacy: 76.8 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

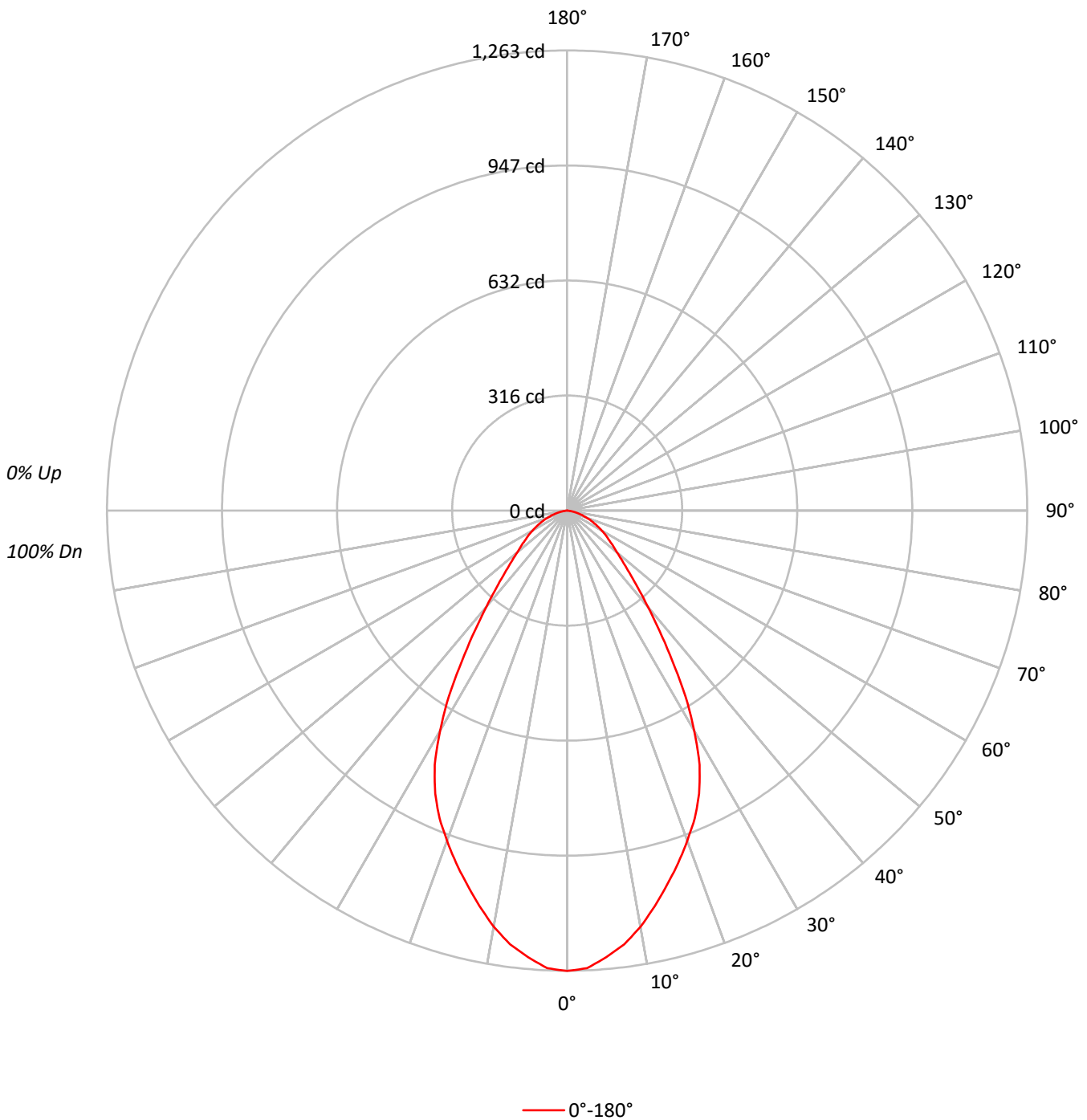
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	34510
5°	33743
10°	32169
15°	30032
20°	28025
25°	25838
30°	22006
35°	16740
40°	12255
45°	9325
50°	7577
55°	6653
60°	5977
65°	5281
70°	4472
75°	3536
80°	2422
85°	1003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	7.4
10°-20°	298.3	19.1
20°-30°	388.7	24.9
30°-40°	316.5	20.3
40°-50°	190.9	12.2
50°-60°	126.5	8.1
60°-70°	81.2	5.2
70°-80°	36.2	2.3
80°-90°	5.4	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°	802.3	51.5
0°-40°	1118.8	71.8
0°-60°	1436.2	92.1
0°-90°	1559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1559.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1263	
5°	1231	115
15°	1062	298
25°	857	389
35°	502	316
45°	241	191
55°	140	127
65°	82	81
75°	34	36
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1263.4
2.5°	1257.0
5°	1230.6
7.5°	1200.3
10°	1159.8
12.5°	1111.5
15°	1062.0
17.5°	1013.7
20°	964.1
22.5°	914.6
25°	857.3
27.5°	787.1
30°	697.7
32.5°	604.3
35°	502.0
37.5°	416.4
40°	343.7
42.5°	286.4
45°	241.4
47.5°	206.0
50°	178.3
52.5°	158.3
55°	139.7
57.5°	124.9
60°	109.4
62.5°	95.3
65°	81.7
67.5°	68.9
70°	56.0
72.5°	44.4
75°	33.5
77.5°	23.8
80°	15.4
82.5°	8.4
85°	3.2
87.5°	0.6
90°	0.0

(END OF REPORT)