

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: P365343

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
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-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 653.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

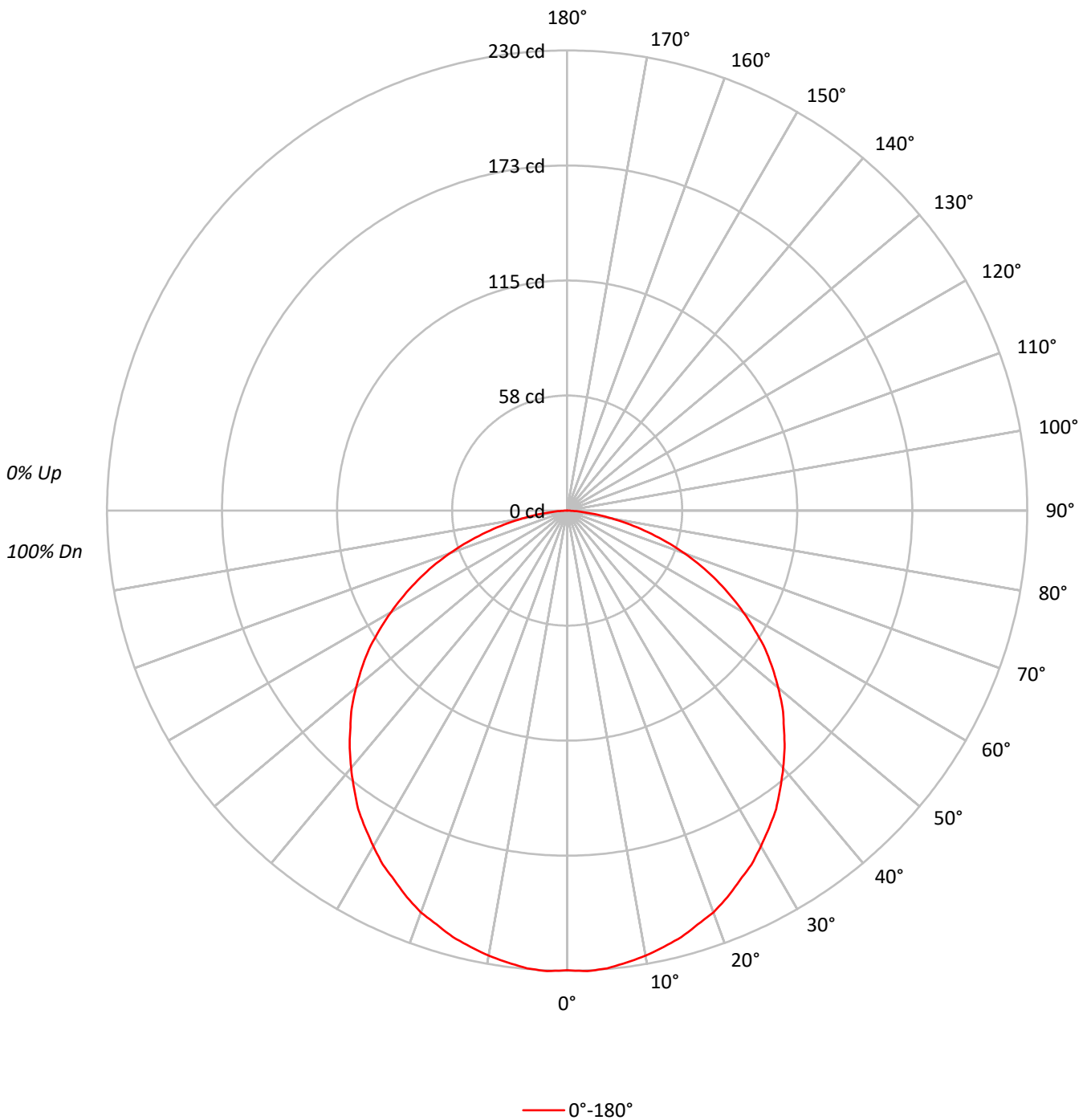
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6274
5°	6298
10°	6266
15°	6241
20°	6212
25°	6148
30°	6109
35°	6072
40°	5990
45°	5918
50°	5852
55°	5762
60°	5556
65°	5326
70°	4984
75°	4411
80°	3539
85°	2006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	3.3
10°-20°	62.2	9.5
20°-30°	94.2	14.4
30°-40°	113.7	17.4
40°-50°	118.4	18.1
50°-60°	107.7	16.5
60°-70°	81.4	12.5
70°-80°	44.4	6.8
80°-90°	9.2	1.4
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°	178.2	27.3
0°-40°	291.9	44.7
0°-60°	517.9	79.3
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	230	
5°	230	22
15°	221	62
25°	204	94
35°	182	114
45°	153	118
55°	121	108
65°	82	81
75°	42	44
85°	6	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	229.7
2.5°	230.4
5°	229.7
7.5°	227.8
10°	225.9
12.5°	223.3
15°	220.7
17.5°	216.9
20°	213.7
22.5°	209.2
25°	204.0
27.5°	199.5
30°	193.7
32.5°	187.9
35°	182.1
37.5°	175.0
40°	168.0
42.5°	160.9
45°	153.2
47.5°	146.1
50°	137.7
52.5°	129.4
55°	121.0
57.5°	111.3
60°	101.7
62.5°	92.0
65°	82.4
67.5°	72.7
70°	62.4
72.5°	52.1
75°	41.8
77.5°	32.2
80°	22.5
82.5°	14.2
85°	6.4
87.5°	1.9
90°	0.0

(END OF REPORT)