

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: P365381

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1236.9 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

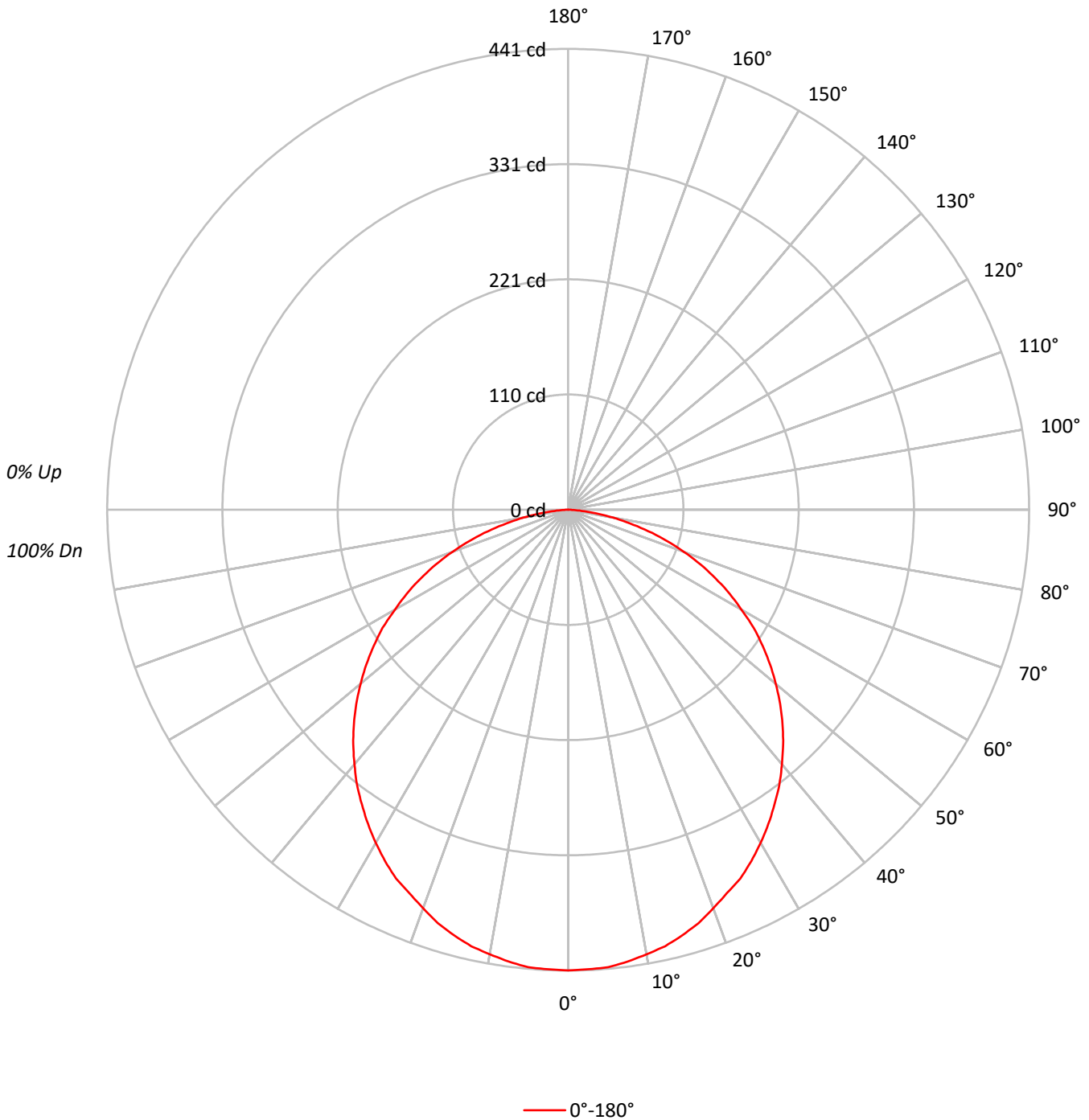
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	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	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12043
5°	12051
10°	11982
15°	11925
20°	11799
25°	11739
30°	11613
35°	11478
40°	11343
45°	11203
50°	11015
55°	10810
60°	10451
65°	10057
70°	9416
75°	8390
80°	6795
85°	4074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	3.4
10°-20°	118.9	9.6
20°-30°	179.2	14.5
30°-40°	215.5	17.4
40°-50°	223.6	18.1
50°-60°	202.7	16.4
60°-70°	153.8	12.4
70°-80°	84.1	6.8
80°-90°	17.6	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°	339.8	27.5
0°-40°	555.2	44.9
0°-60°	981.5	79.3
0°-90°	1236.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1236.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	441	
5°	440	42
15°	422	119
25°	390	179
35°	344	215
45°	290	224
55°	227	203
65°	156	154
75°	80	84
85°	13	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	440.9
2.5°	440.2
5°	439.5
7.5°	436.1
10°	432.0
12.5°	427.9
15°	421.7
17.5°	414.8
20°	405.9
22.5°	397.0
25°	389.5
27.5°	379.2
30°	368.2
32.5°	356.5
35°	344.2
37.5°	331.9
40°	318.1
42.5°	304.4
45°	290.0
47.5°	275.0
50°	259.2
52.5°	243.4
55°	227.0
57.5°	210.5
60°	191.3
62.5°	174.2
65°	155.6
67.5°	137.1
70°	117.9
72.5°	98.7
75°	79.5
77.5°	60.3
80°	43.2
82.5°	26.7
85°	13.0
87.5°	3.4
90°	0.0

(END OF REPORT)