

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: P364700

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1551.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

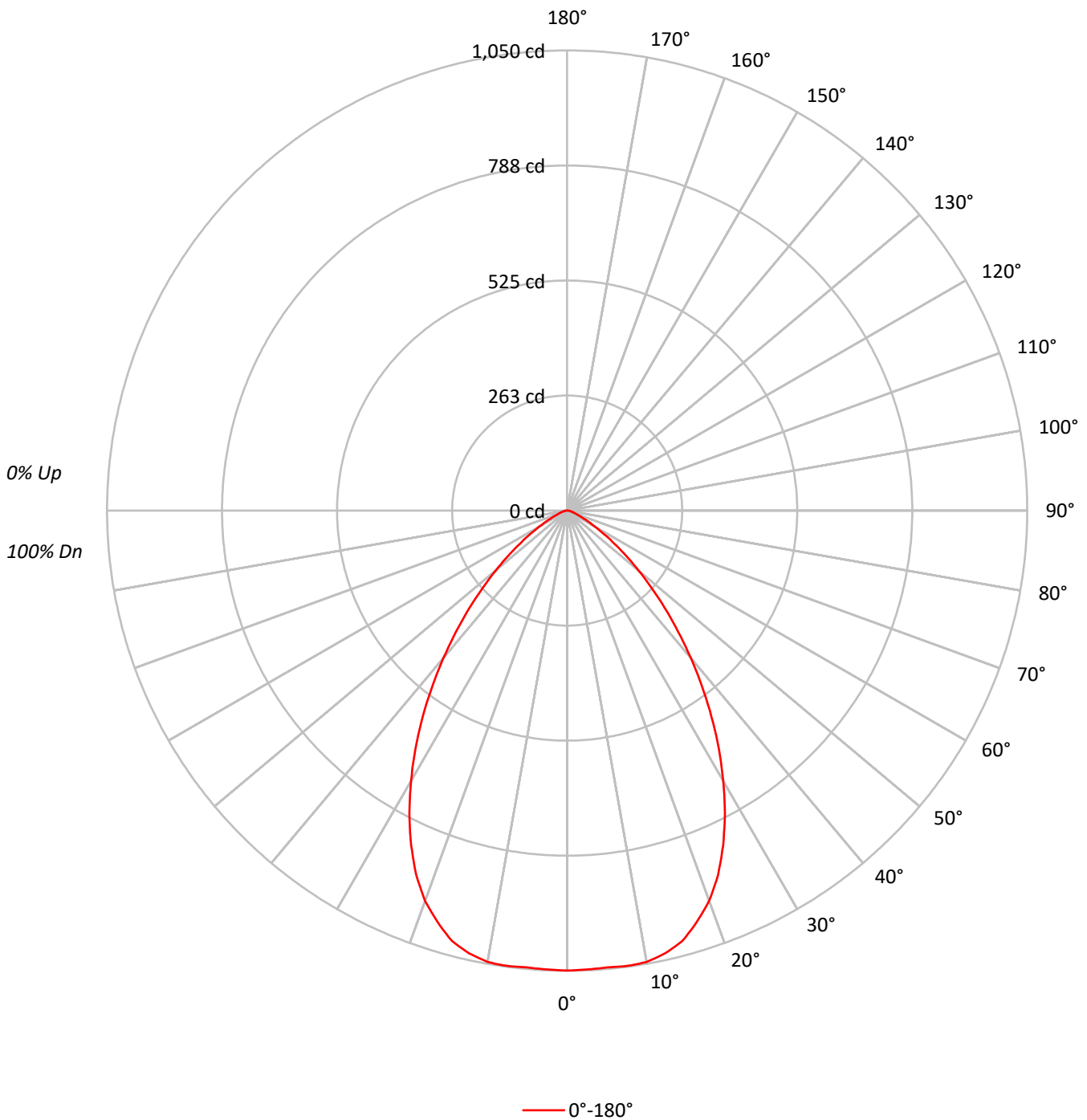
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75146
5°	75225
10°	76044
15°	75373
20°	72227
25°	66529
30°	58884
35°	50208
40°	41014
45°	32069
50°	23649
55°	16403
60°	10468
65°	6370
70°	4313
75°	3347
80°	2928
85°	4108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	6.4
10°-20°	284.3	18.3
20°-30°	384.6	24.8
30°-40°	357.8	23.1
40°-50°	245.1	15.8
50°-60°	120.8	7.8
60°-70°	40.4	2.6
70°-80°	13.4	0.9
80°-90°	4.6	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°	768.9	49.6
0°-40°	1126.7	72.6
0°-60°	1492.6	96.2
0°-90°	1551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1551.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1050	
5°	1047	100
15°	1017	284
25°	842	385
35°	574	358
45°	317	245
55°	131	121
65°	38	40
75°	12	13
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1049.5
2.5°	1048.1
5°	1046.6
7.5°	1048.1
10°	1045.9
12.5°	1034.6
15°	1016.8
17.5°	984.2
20°	947.9
22.5°	899.7
25°	842.1
27.5°	779.7
30°	712.2
32.5°	644.7
35°	574.4
37.5°	504.9
40°	438.8
42.5°	374.9
45°	316.7
47.5°	261.3
50°	212.3
52.5°	169.7
55°	131.4
57.5°	100.1
60°	73.1
62.5°	52.5
65°	37.6
67.5°	27.0
70°	20.6
72.5°	15.6
75°	12.1
77.5°	9.2
80°	7.1
82.5°	5.7
85°	5.0
87.5°	2.8
90°	0.0

(END OF REPORT)