

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: P364707

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1641.1 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

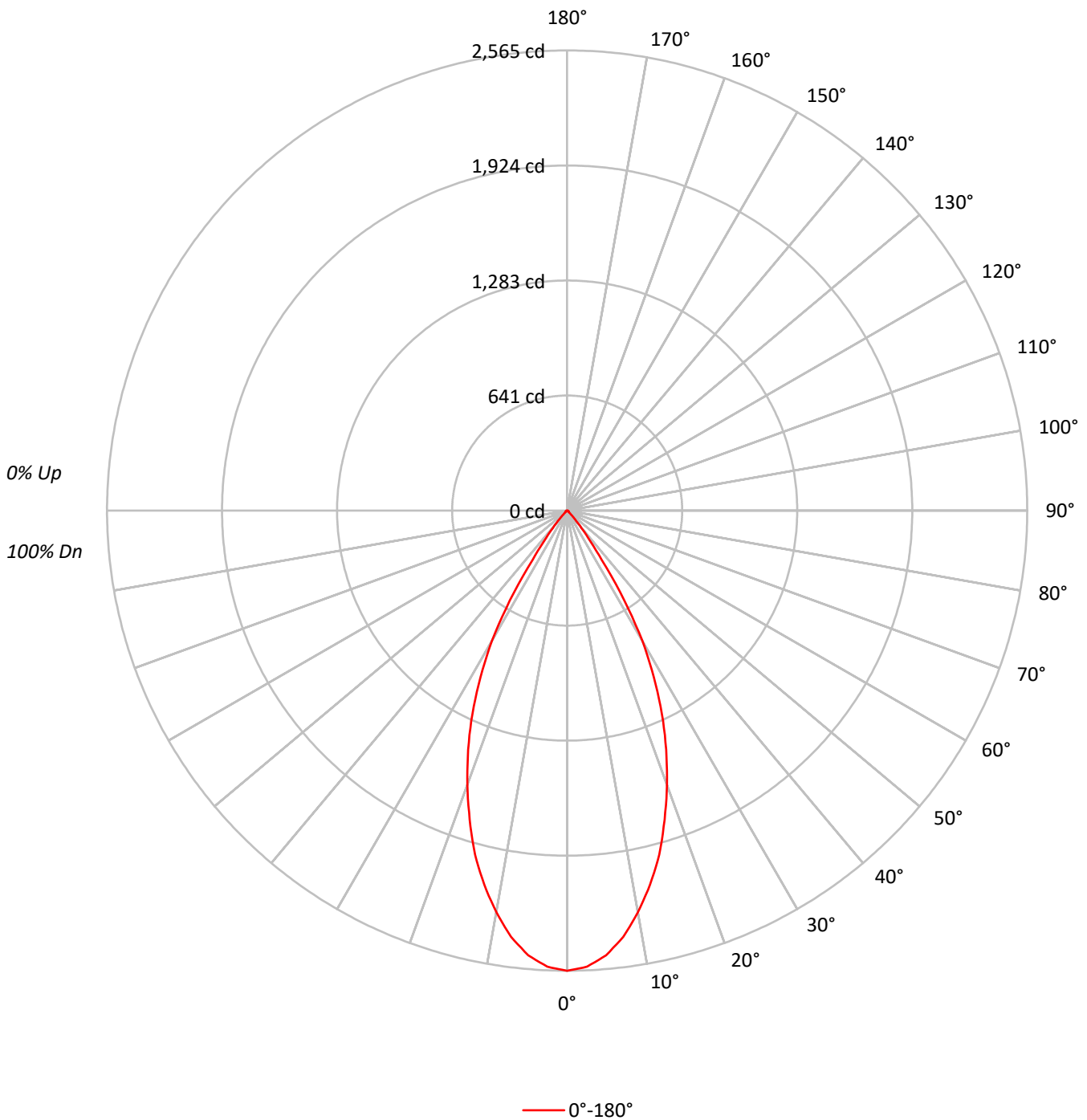
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364707

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P364707

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR94

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	88
3	104	98	93	90	102	96	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183680
5°	178819
10°	165291
15°	147143
20°	123927
25°	98755
30°	69169
35°	29300
40°	10226
45°	2805
50°	1426
55°	1336
60°	1317
65°	1203
70°	1193
75°	1577
80°	2062
85°	2958



TEST NUMBER: P364707

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.7	14.1
10°-20°	548.8	33.4
20°-30°	564.5	34.4
30°-40°	241.1	14.7
40°-50°	30.1	1.8
50°-60°	9.6	0.6
60°-70°	7.1	0.4
70°-80°	5.7	0.4
80°-90°	3.4	0.2
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°	1344.0	81.9
0°-40°	1585.1	96.6
0°-60°	1624.8	99.0
0°-90°	1641.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1641.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2565	
5°	2488	231
15°	1985	549
25°	1250	565
35°	335	241
45°	28	30
55°	11	10
65°	7	7
75°	6	6
85°	4	3
90°	0	



TEST NUMBER: P364707

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR94

CANDELA DISTRIBUTION (FULL):

	0°
0°	2565.3
2.5°	2544.7
5°	2487.9
7.5°	2397.0
10°	2273.4
12.5°	2135.6
15°	1985.0
17.5°	1806.1
20°	1626.4
22.5°	1441.7
25°	1250.0
27.5°	1047.6
30°	836.6
32.5°	594.4
35°	335.2
37.5°	191.8
40°	109.4
42.5°	56.8
45°	27.7
47.5°	14.9
50°	12.8
52.5°	11.4
55°	10.7
57.5°	9.9
60°	9.2
62.5°	7.8
65°	7.1
67.5°	6.4
70°	5.7
72.5°	5.7
75°	5.7
77.5°	5.0
80°	5.0
82.5°	4.3
85°	3.6
87.5°	2.1
90°	0.0

(END OF REPORT)