

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: P364689

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364689
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-FEU6B12-8040-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: 1602.0 lumens
Efficiency: N/A
Efficacy: 78.9 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

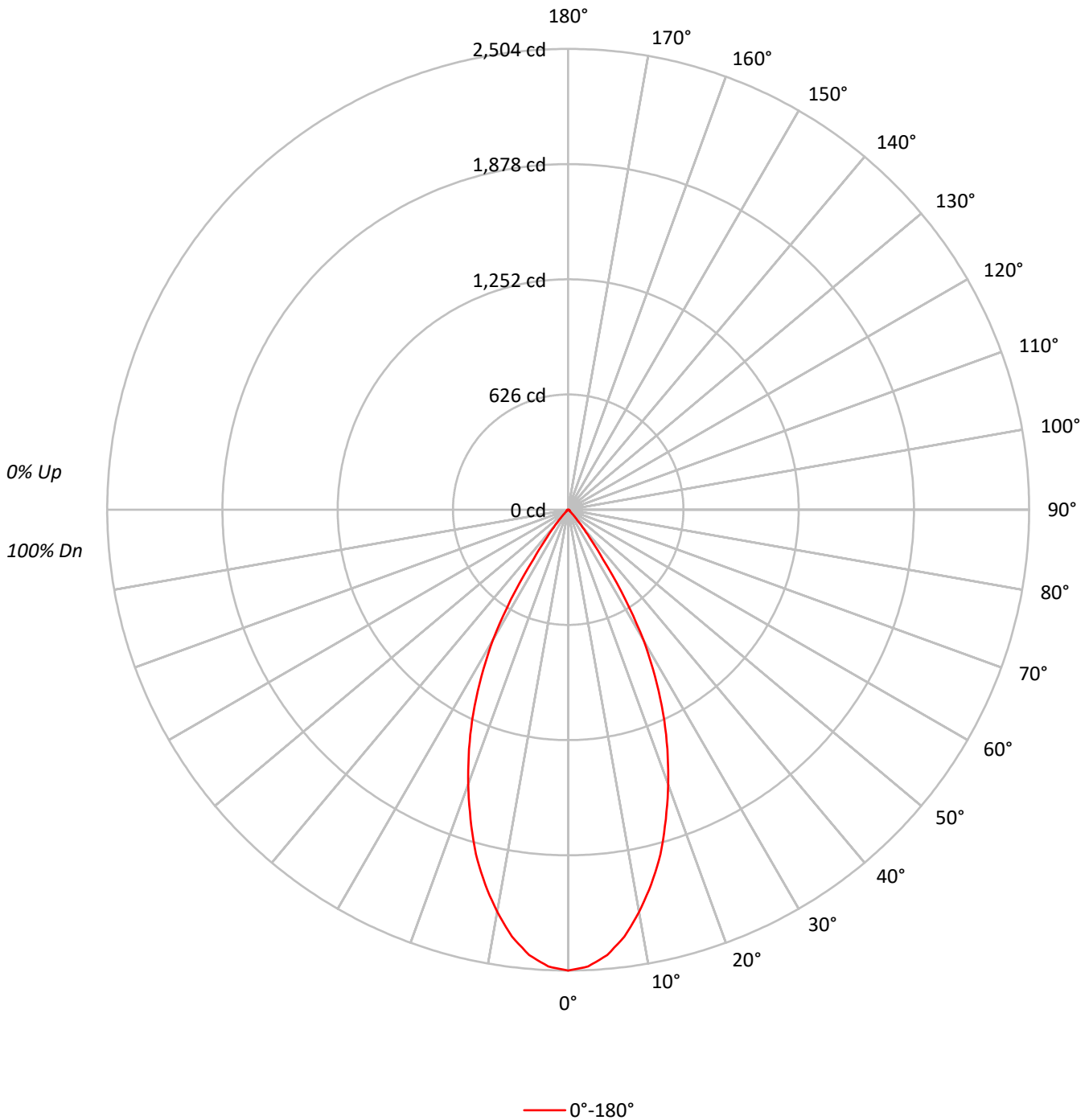
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	179313
5°	174564
10°	161365
15°	143652
20°	120978
25°	96408
30°	67524
35°	28609
40°	9983
45°	2734
50°	1392
55°	1298
60°	1289
65°	1169
70°	1151
75°	1522
80°	2020
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	14.1
10°-20°	535.7	33.4
20°-30°	551.1	34.4
30°-40°	235.4	14.7
40°-50°	29.4	1.8
50°-60°	9.4	0.6
60°-70°	6.9	0.4
70°-80°	5.6	0.3
80°-90°	3.3	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°	1312.0	81.9
0°-40°	1547.4	96.6
0°-60°	1586.2	99.0
0°-90°	1602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1602.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2504	
5°	2429	225
15°	1938	536
25°	1220	551
35°	327	235
45°	27	29
55°	10	9
65°	7	7
75°	6	6
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2504.3
2.5°	2484.2
5°	2428.7
7.5°	2340.0
10°	2219.4
12.5°	2084.8
15°	1937.9
17.5°	1763.1
20°	1587.7
22.5°	1407.5
25°	1220.3
27.5°	1022.7
30°	816.7
32.5°	580.3
35°	327.3
37.5°	187.2
40°	106.8
42.5°	55.5
45°	27.0
47.5°	14.6
50°	12.5
52.5°	11.1
55°	10.4
57.5°	9.7
60°	9.0
62.5°	7.6
65°	6.9
67.5°	6.2
70°	5.5
72.5°	5.5
75°	5.5
77.5°	4.9
80°	4.9
82.5°	4.2
85°	3.5
87.5°	2.1
90°	0.0

(END OF REPORT)