

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: P364686

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
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-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1536.0 lumens
Efficiency: N/A
Efficacy: 75.7 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

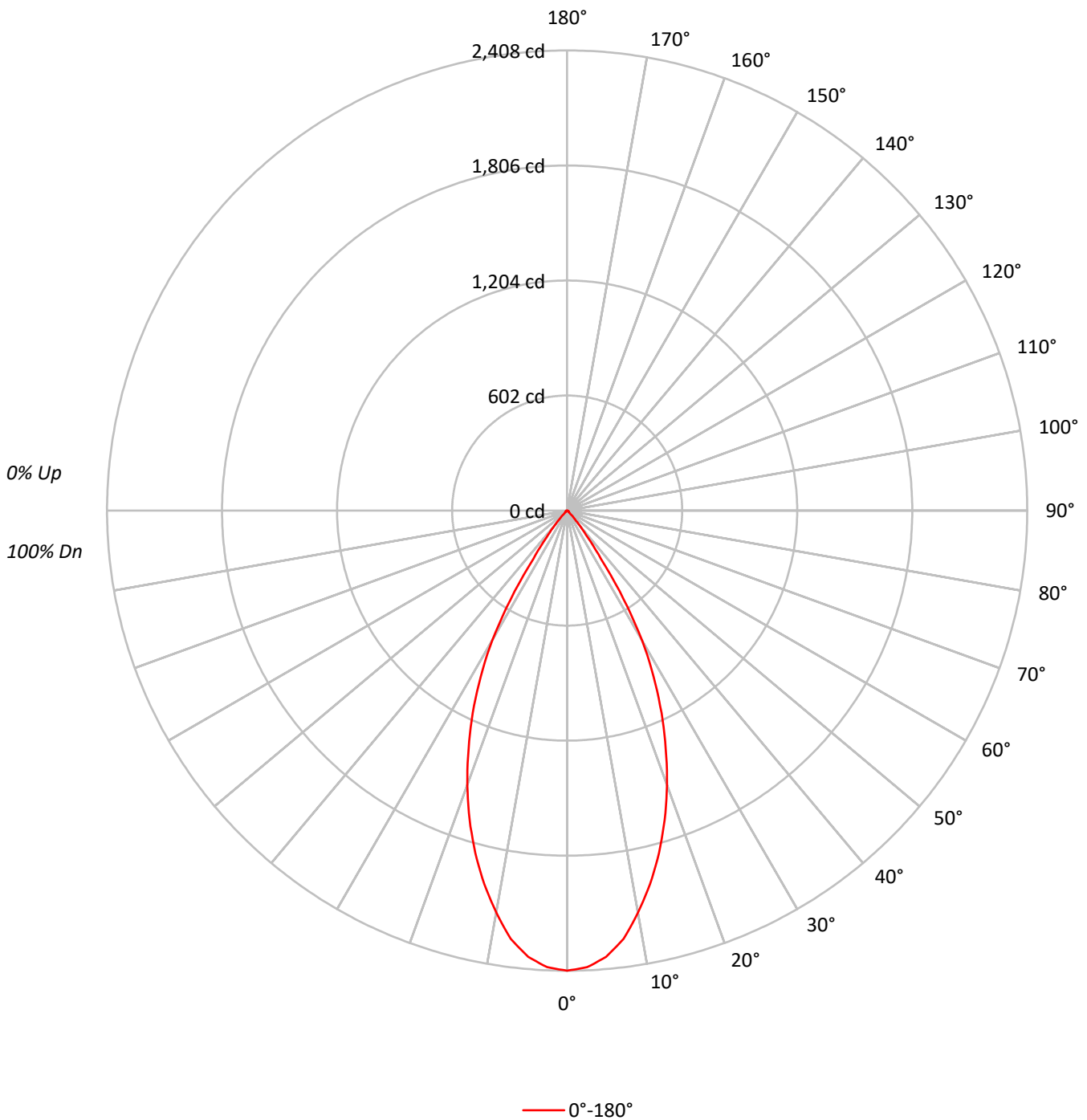
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89
3	104	98	93	90	102	97	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	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
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°	172396
5°	168469
10°	155308
15°	137559
20°	116460
25°	92269
30°	64837
35°	27001
40°	9263
45°	2471
50°	1359
55°	1273
60°	1160
65°	1152
70°	1130
75°	1328
80°	1691
85°	2793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	14.1
10°-20°	514.8	33.5
20°-30°	528.5	34.4
30°-40°	223.8	14.6
40°-50°	27.5	1.8
50°-60°	9.1	0.6
60°-70°	6.7	0.4
70°-80°	5.2	0.3
80°-90°	3.1	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°	1260.5	82.1
0°-40°	1484.3	96.6
0°-60°	1520.9	99.0
0°-90°	1536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1536.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2408	
5°	2344	217
15°	1856	515
25°	1168	528
35°	309	224
45°	24	28
55°	10	9
65°	7	7
75°	5	5
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2407.7
2.5°	2392.1
5°	2343.9
7.5°	2261.1
10°	2136.1
12.5°	2003.0
15°	1855.7
17.5°	1697.5
20°	1528.4
22.5°	1348.5
25°	1167.9
27.5°	981.1
30°	784.2
32.5°	552.7
35°	308.9
37.5°	177.2
40°	99.1
42.5°	52.3
45°	24.4
47.5°	14.3
50°	12.2
52.5°	10.9
55°	10.2
57.5°	9.5
60°	8.1
62.5°	7.5
65°	6.8
67.5°	6.1
70°	5.4
72.5°	5.4
75°	4.8
77.5°	4.8
80°	4.1
82.5°	4.1
85°	3.4
87.5°	2.0
90°	0.0

(END OF REPORT)