

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: P364684

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364684
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1557.0 lumens
Efficiency: N/A
Efficacy: 76.7 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

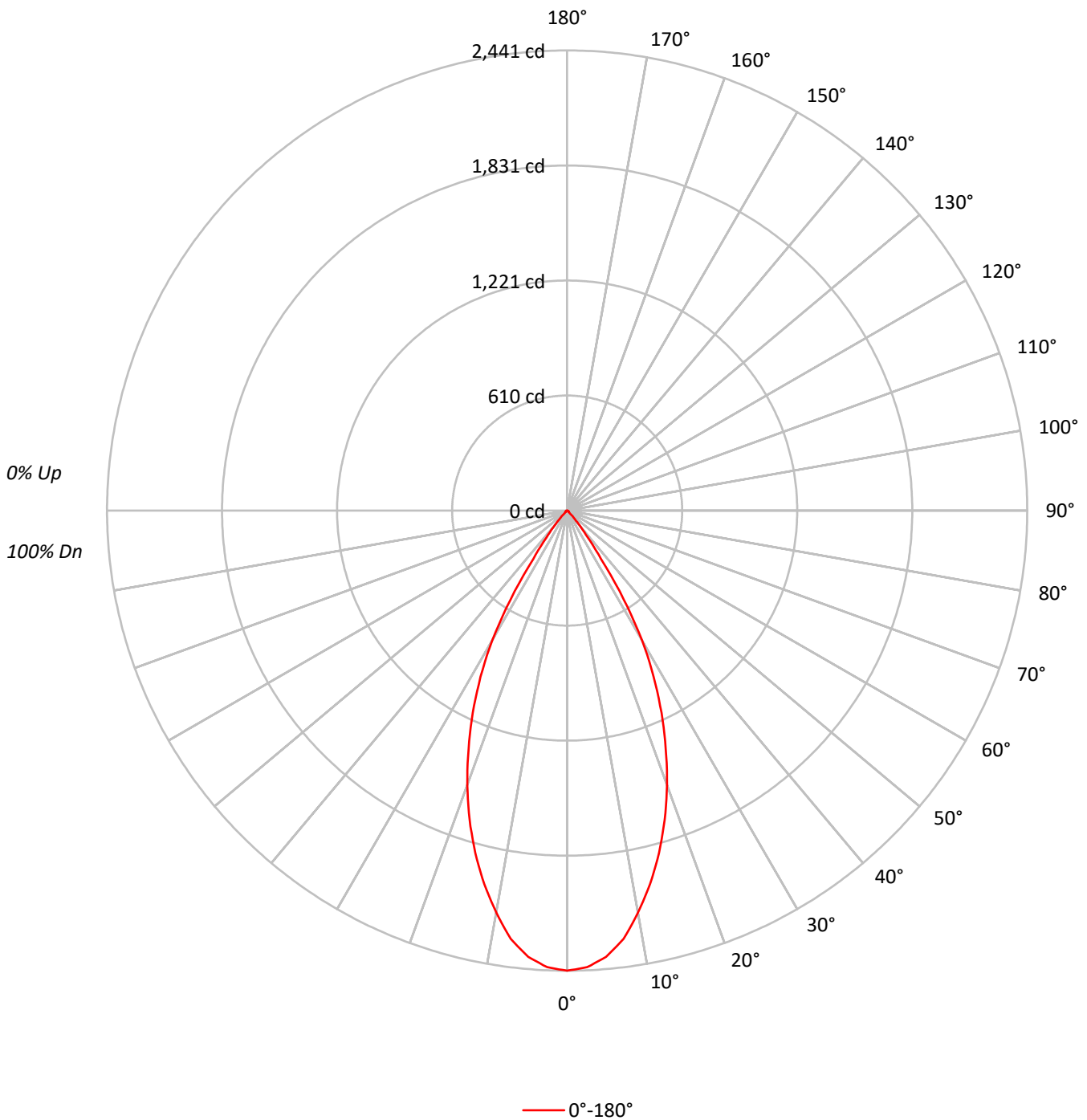
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	174751
5°	170769
10°	157431
15°	139442
20°	118052
25°	93525
30°	65730
35°	27377
40°	9394
45°	2511
50°	1381
55°	1286
60°	1189
65°	1169
70°	1151
75°	1328
80°	1691
85°	2793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.2	14.1
10°-20°	521.8	33.5
20°-30°	535.7	34.4
30°-40°	226.9	14.6
40°-50°	27.9	1.8
50°-60°	9.2	0.6
60°-70°	6.8	0.4
70°-80°	5.3	0.3
80°-90°	3.2	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°	1277.8	82.1
0°-40°	1504.6	96.6
0°-60°	1541.7	99.0
0°-90°	1557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1557.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2441	
5°	2376	220
15°	1881	522
25°	1184	536
35°	313	227
45°	25	28
55°	10	9
65°	7	7
75°	5	5
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2440.6
2.5°	2424.8
5°	2375.9
7.5°	2292.0
10°	2165.3
12.5°	2030.4
15°	1881.1
17.5°	1720.7
20°	1549.3
22.5°	1366.9
25°	1183.8
27.5°	994.6
30°	795.0
32.5°	560.3
35°	313.2
37.5°	179.6
40°	100.5
42.5°	53.0
45°	24.8
47.5°	14.5
50°	12.4
52.5°	11.0
55°	10.3
57.5°	9.6
60°	8.3
62.5°	7.6
65°	6.9
67.5°	6.2
70°	5.5
72.5°	5.5
75°	4.8
77.5°	4.8
80°	4.1
82.5°	4.1
85°	3.4
87.5°	2.1
90°	0.0

(END OF REPORT)