

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: P364631

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364631
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-FEU6B12-8027-F6LBXVM1-LI-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1400.1 lumens
Efficiency: N/A
Efficacy: 69.0 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

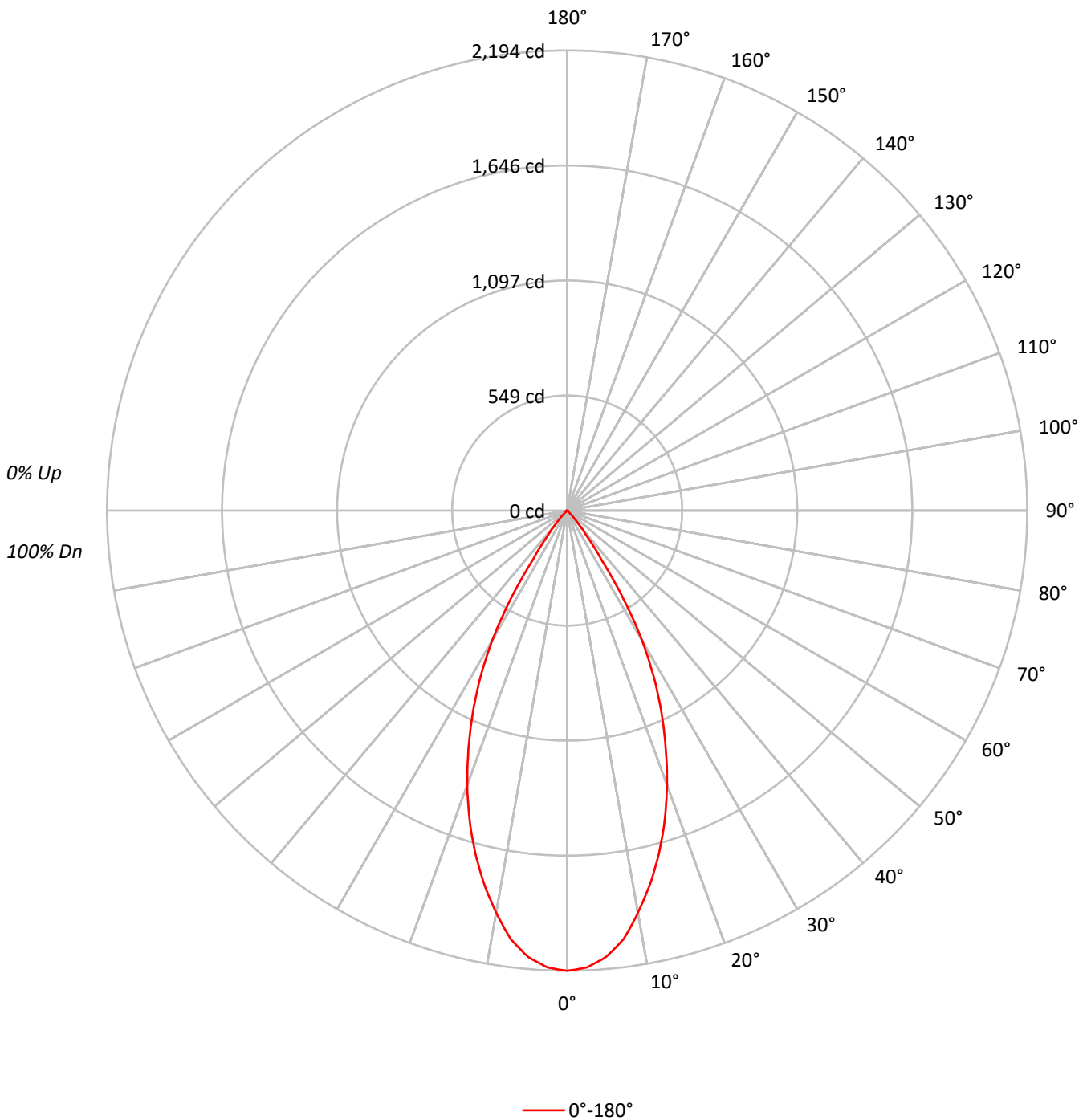
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	157130
5°	153555
10°	141559
15°	125380
20°	106150
25°	84100
30°	59099
35°	24615
40°	8450
45°	2258
50°	1236
55°	1161
60°	1060
65°	1050
70°	1047
75°	1190
80°	1526
85°	2547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.0	14.1
10°-20°	469.2	33.5
20°-30°	481.7	34.4
30°-40°	204.0	14.6
40°-50°	25.1	1.8
50°-60°	8.3	0.6
60°-70°	6.1	0.4
70°-80°	4.7	0.3
80°-90°	2.9	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°	1148.9	82.1
0°-40°	1352.9	96.6
0°-60°	1386.3	99.0
0°-90°	1400.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1400.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2194	
5°	2136	198
15°	1691	469
25°	1064	482
35°	282	204
45°	22	25
55°	9	8
65°	6	6
75°	4	5
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2194.5
2.5°	2180.3
5°	2136.4
7.5°	2060.9
10°	1947.0
12.5°	1825.7
15°	1691.4
17.5°	1547.2
20°	1393.1
22.5°	1229.1
25°	1064.5
27.5°	894.3
30°	714.8
32.5°	503.8
35°	281.6
37.5°	161.5
40°	90.4
42.5°	47.7
45°	22.3
47.5°	13.0
50°	11.1
52.5°	9.9
55°	9.3
57.5°	8.7
60°	7.4
62.5°	6.8
65°	6.2
67.5°	5.6
70°	5.0
72.5°	5.0
75°	4.3
77.5°	4.3
80°	3.7
82.5°	3.7
85°	3.1
87.5°	1.9
90°	0.0

(END OF REPORT)