

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: P364630

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364630
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-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: 1445.0 lumens
Efficiency: N/A
Efficacy: 71.2 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

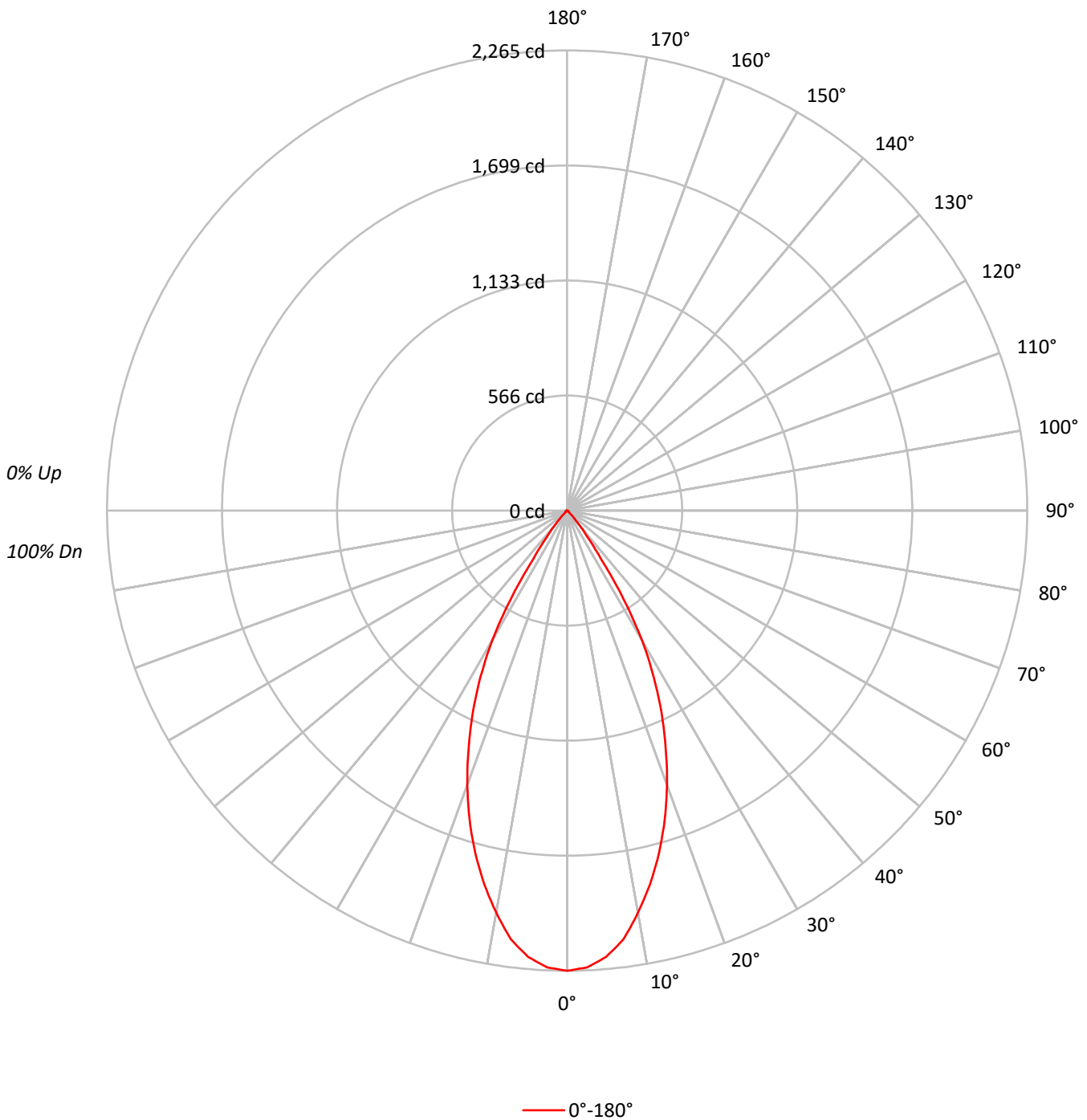
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	162185
5°	158485
10°	146111
15°	129412
20°	109564
25°	86802
30°	61000
35°	25401
40°	8721
45°	2329
50°	1281
55°	1198
60°	1103
65°	1084
70°	1068
75°	1245
80°	1567
85°	2629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.3	14.1
10°-20°	484.3	33.5
20°-30°	497.2	34.4
30°-40°	210.5	14.6
40°-50°	25.9	1.8
50°-60°	8.6	0.6
60°-70°	6.3	0.4
70°-80°	4.9	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°	1185.8	82.1
0°-40°	1396.4	96.6
0°-60°	1430.8	99.0
0°-90°	1445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2265	
5°	2205	204
15°	1746	484
25°	1099	497
35°	291	211
45°	23	26
55°	10	9
65°	6	6
75°	4	5
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2265.1
2.5°	2250.4
5°	2205.0
7.5°	2127.1
10°	2009.6
12.5°	1884.4
15°	1745.8
17.5°	1596.9
20°	1437.9
22.5°	1268.6
25°	1098.7
27.5°	923.0
30°	737.8
32.5°	520.0
35°	290.6
37.5°	166.7
40°	93.3
42.5°	49.2
45°	23.0
47.5°	13.4
50°	11.5
52.5°	10.2
55°	9.6
57.5°	8.9
60°	7.7
62.5°	7.0
65°	6.4
67.5°	5.7
70°	5.1
72.5°	5.1
75°	4.5
77.5°	4.5
80°	3.8
82.5°	3.8
85°	3.2
87.5°	1.9
90°	0.0

(END OF REPORT)