

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: P364646

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1469.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

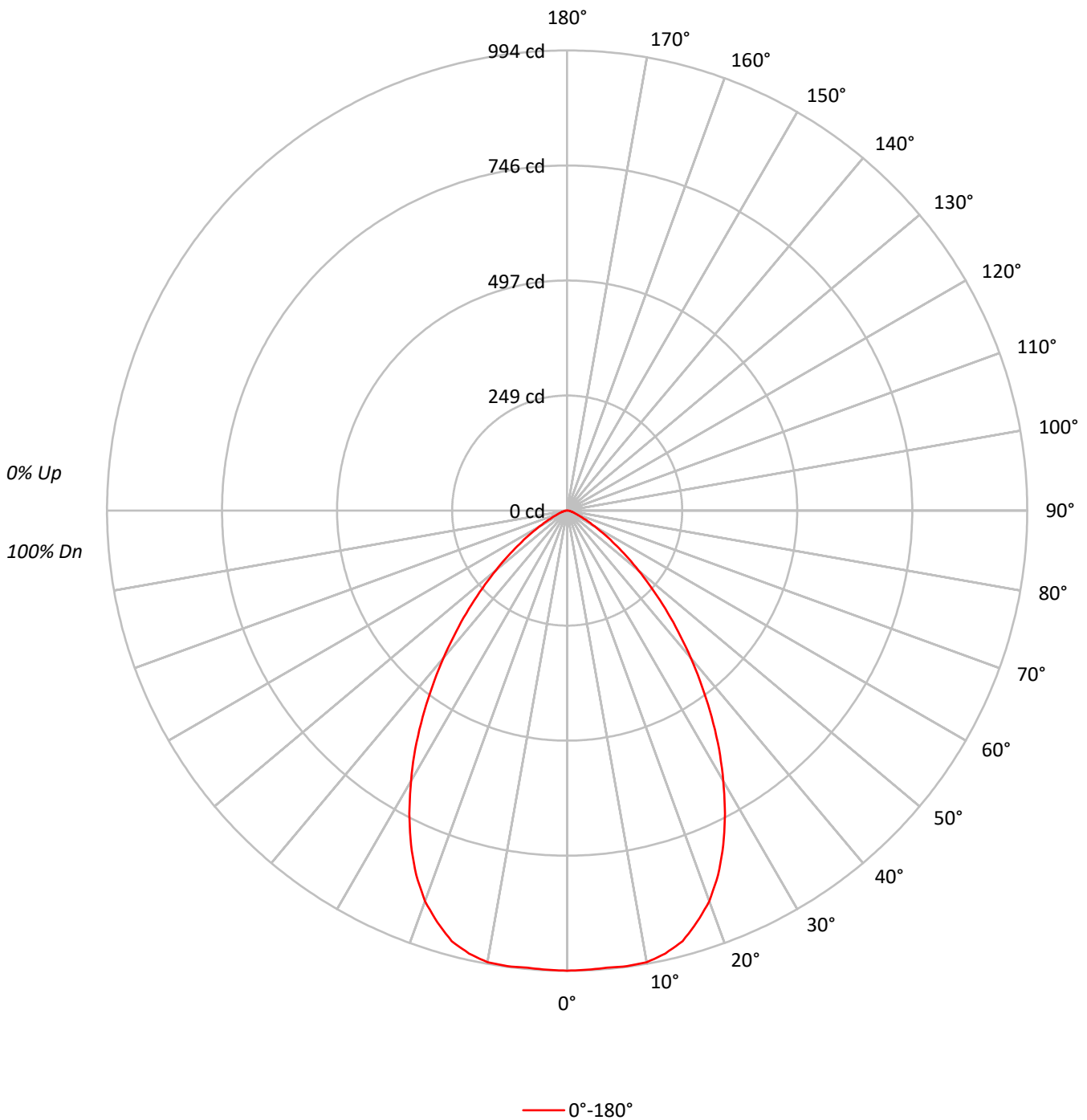
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71172
5°	71250
10°	72023
15°	71392
20°	68410
25°	63014
30°	55767
35°	47560
40°	38846
45°	30368
50°	22401
55°	15529
60°	9924
65°	6032
70°	4082
75°	3154
80°	2763
85°	3861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	6.4
10°-20°	269.3	18.3
20°-30°	364.3	24.8
30°-40°	338.9	23.1
40°-50°	232.2	15.8
50°-60°	114.4	7.8
60°-70°	38.3	2.6
70°-80°	12.6	0.9
80°-90°	4.4	0.3
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°	728.3	49.6
0°-40°	1067.1	72.6
0°-60°	1413.7	96.2
0°-90°	1469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1469.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	994	
5°	991	95
15°	963	269
25°	798	364
35°	544	339
45°	300	232
55°	124	114
65°	36	38
75°	11	13
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	994.0
2.5°	992.6
5°	991.3
7.5°	992.6
10°	990.6
12.5°	979.9
15°	963.1
17.5°	932.1
20°	897.8
22.5°	852.1
25°	797.6
27.5°	738.4
30°	674.5
32.5°	610.7
35°	544.1
37.5°	478.2
40°	415.6
42.5°	355.1
45°	299.9
47.5°	247.5
50°	201.1
52.5°	160.7
55°	124.4
57.5°	94.8
60°	69.3
62.5°	49.8
65°	35.6
67.5°	25.6
70°	19.5
72.5°	14.8
75°	11.4
77.5°	8.7
80°	6.7
82.5°	5.4
85°	4.7
87.5°	2.7
90°	0.0

(END OF REPORT)