

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: P365383

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1080.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

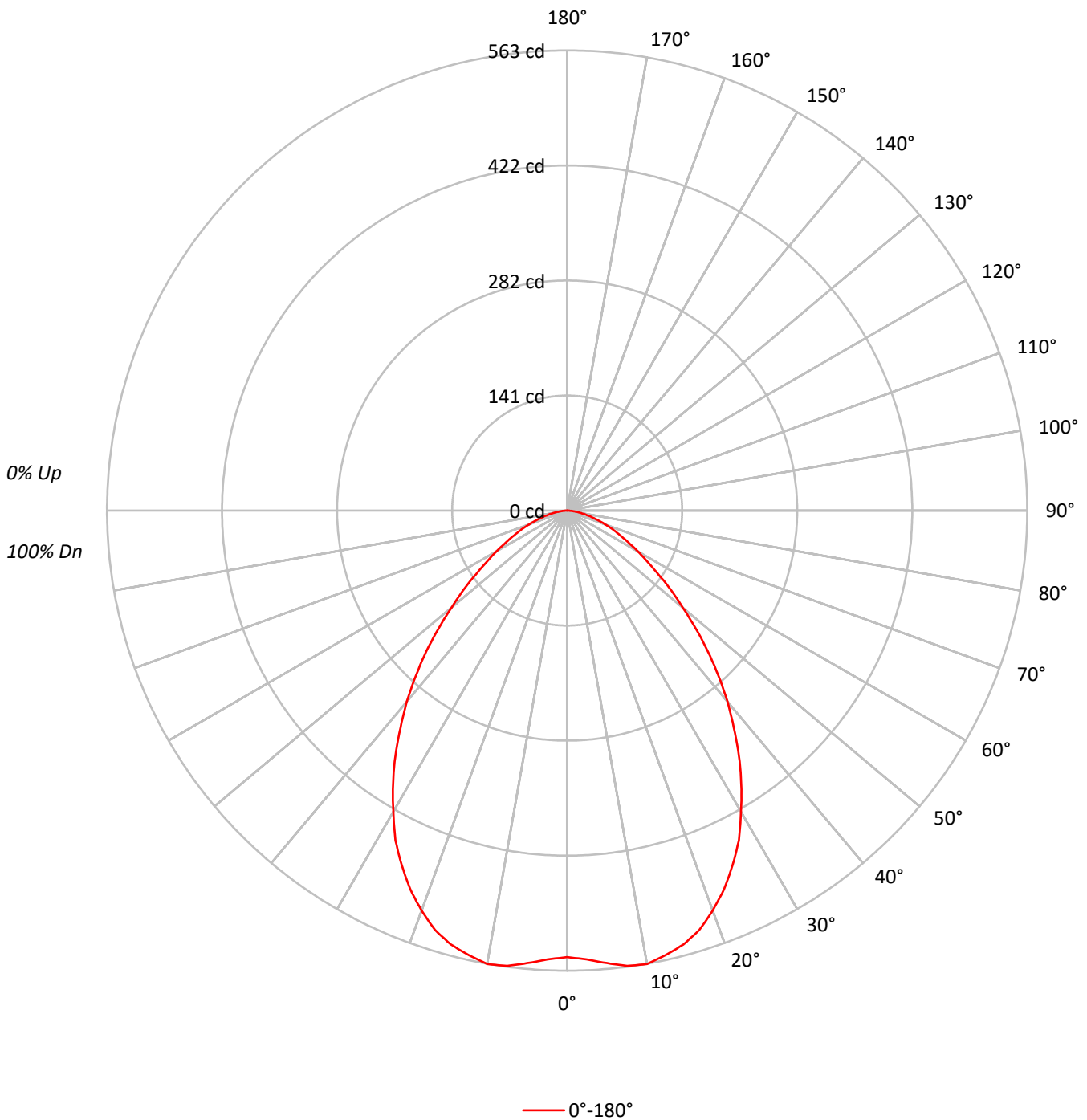
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39109
5°	39948
10°	40956
15°	40741
20°	39683
25°	37835
30°	35172
35°	32027
40°	28536
45°	24667
50°	20563
55°	17040
60°	14249
65°	12097
70°	10342
75°	8548
80°	6804
85°	5094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	4.9
10°-20°	154.4	14.3
20°-30°	219.6	20.3
30°-40°	228.3	21.1
40°-50°	187.6	17.4
50°-60°	123.9	11.5
60°-70°	71.8	6.6
70°-80°	33.4	3.1
80°-90°	7.7	0.7
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°	427.3	39.6
0°-40°	655.6	60.7
0°-60°	967.1	89.5
0°-90°	1080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1080.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	546	
5°	556	53
15°	550	154
25°	479	220
35°	366	228
45°	244	188
55°	136	124
65°	71	72
75°	31	33
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	546.2
2.5°	549.6
5°	555.8
7.5°	561.9
10°	563.3
12.5°	557.1
15°	549.6
17.5°	537.9
20°	520.8
22.5°	501.6
25°	478.9
27.5°	454.9
30°	425.4
32.5°	396.6
35°	366.4
37.5°	334.8
40°	305.3
42.5°	273.8
45°	243.6
47.5°	213.4
50°	184.6
52.5°	160.6
55°	136.5
57.5°	116.6
60°	99.5
62.5°	84.4
65°	71.4
67.5°	60.4
70°	49.4
72.5°	39.8
75°	30.9
77.5°	23.3
80°	16.5
82.5°	11.0
85°	6.2
87.5°	2.7
90°	0.0

(END OF REPORT)