

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: P365401

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365401
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-FEU6B12-8040-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: 1091.0 lumens
Efficiency: N/A
Efficacy: 53.7 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

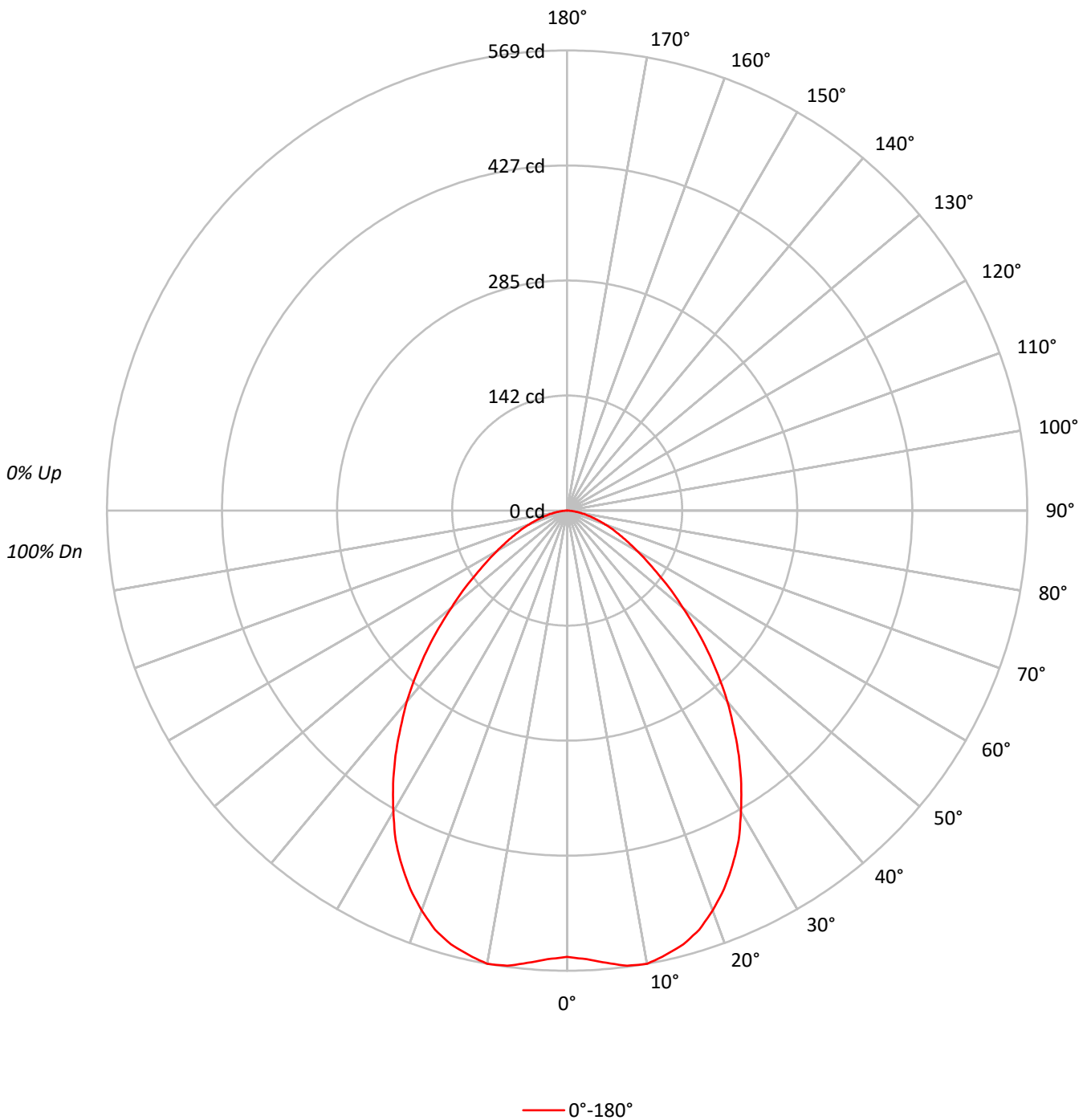
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39503
5°	40351
10°	41377
15°	41156
20°	40087
25°	38222
30°	35527
35°	32350
40°	28826
45°	24920
50°	20764
55°	17215
60°	14392
65°	12216
70°	10447
75°	8631
80°	6845
85°	5094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	4.9
10°-20°	155.9	14.3
20°-30°	221.8	20.3
30°-40°	230.6	21.1
40°-50°	189.6	17.4
50°-60°	125.2	11.5
60°-70°	72.5	6.6
70°-80°	33.8	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°	431.6	39.6
0°-40°	662.2	60.7
0°-60°	976.9	89.5
0°-90°	1091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1091.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	552	
5°	561	54
15°	555	156
25°	484	222
35°	370	231
45°	246	190
55°	138	125
65°	72	73
75°	31	34
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	551.7
2.5°	555.2
5°	561.4
7.5°	567.7
10°	569.1
12.5°	562.8
15°	555.2
17.5°	543.4
20°	526.1
22.5°	506.7
25°	483.8
27.5°	459.5
30°	429.7
32.5°	400.6
35°	370.1
37.5°	338.2
40°	308.4
42.5°	276.6
45°	246.1
47.5°	215.6
50°	186.4
52.5°	162.2
55°	137.9
57.5°	117.8
60°	100.5
62.5°	85.3
65°	72.1
67.5°	61.0
70°	49.9
72.5°	40.2
75°	31.2
77.5°	23.6
80°	16.6
82.5°	11.1
85°	6.2
87.5°	2.8
90°	0.0

(END OF REPORT)