

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: P365365

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365365
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-FEU6B12-8030-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: 1059.0 lumens
Efficiency: N/A
Efficacy: 52.2 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

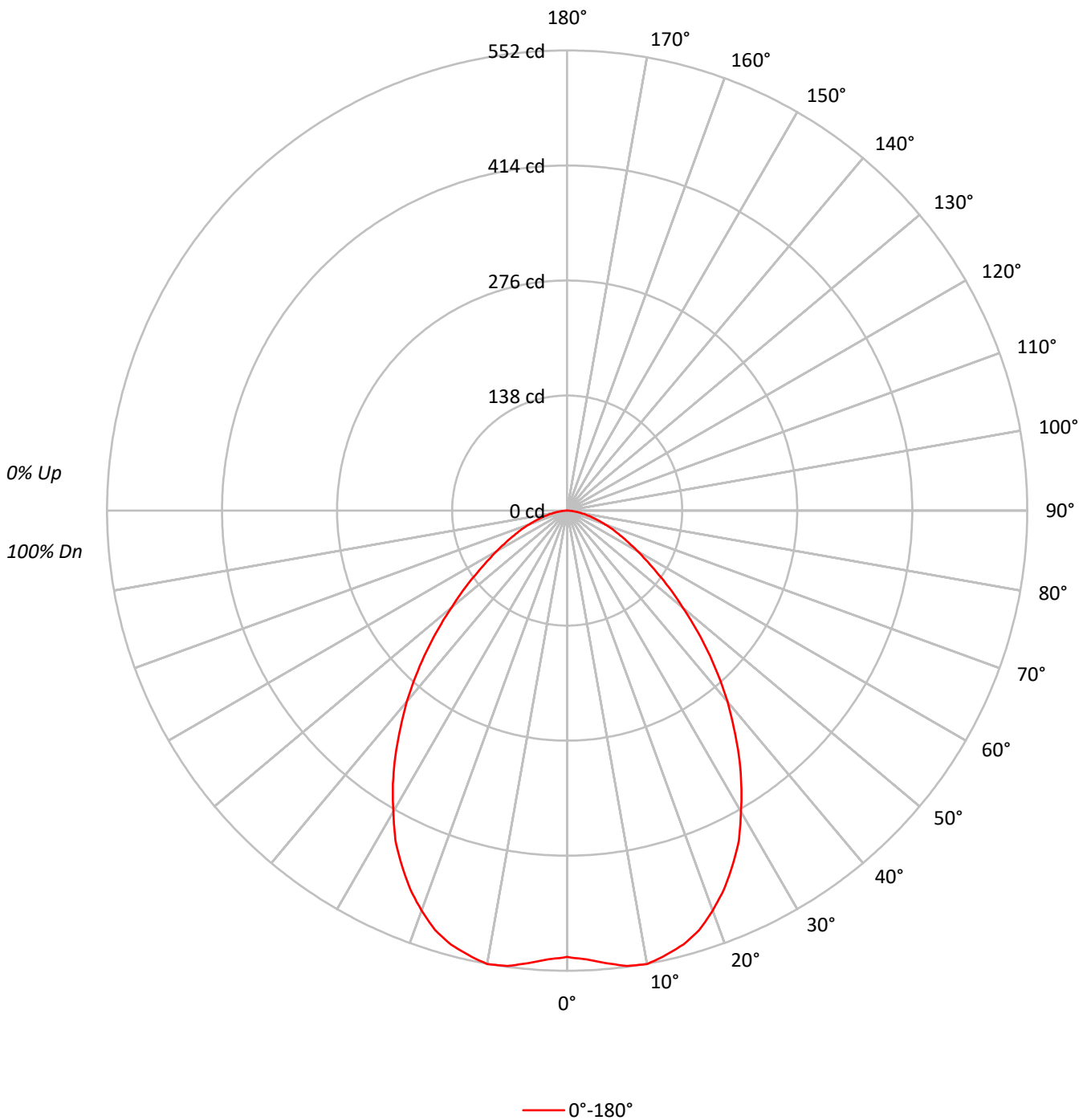
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	38343
5°	39172
10°	40163
15°	39947
20°	38906
25°	37100
30°	34485
35°	31406
40°	27985
45°	24181
50°	20162
55°	16715
60°	13977
65°	11860
70°	10133
75°	8382
80°	6639
85°	5011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	4.9
10°-20°	151.4	14.3
20°-30°	215.3	20.3
30°-40°	223.9	21.1
40°-50°	184.0	17.4
50°-60°	121.5	11.5
60°-70°	70.4	6.6
70°-80°	32.8	3.1
80°-90°	7.5	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°	419.0	39.6
0°-40°	642.8	60.7
0°-60°	948.3	89.5
0°-90°	1059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1059.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	536	
5°	545	52
15°	539	151
25°	470	215
35°	359	224
45°	239	184
55°	134	122
65°	70	70
75°	30	33
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	535.5
2.5°	538.9
5°	545.0
7.5°	551.0
10°	552.4
12.5°	546.3
15°	538.9
17.5°	527.5
20°	510.6
22.5°	491.8
25°	469.6
27.5°	446.1
30°	417.1
32.5°	388.9
35°	359.3
37.5°	328.3
40°	299.4
42.5°	268.4
45°	238.8
47.5°	209.2
50°	181.0
52.5°	157.4
55°	133.9
57.5°	114.4
60°	97.6
62.5°	82.8
65°	70.0
67.5°	59.2
70°	48.4
72.5°	39.0
75°	30.3
77.5°	22.9
80°	16.1
82.5°	10.8
85°	6.1
87.5°	2.7
90°	0.0

(END OF REPORT)