

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: P365347

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365347
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-FEU6B12-8027-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: 1013.0 lumens
Efficiency: N/A
Efficacy: 49.9 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

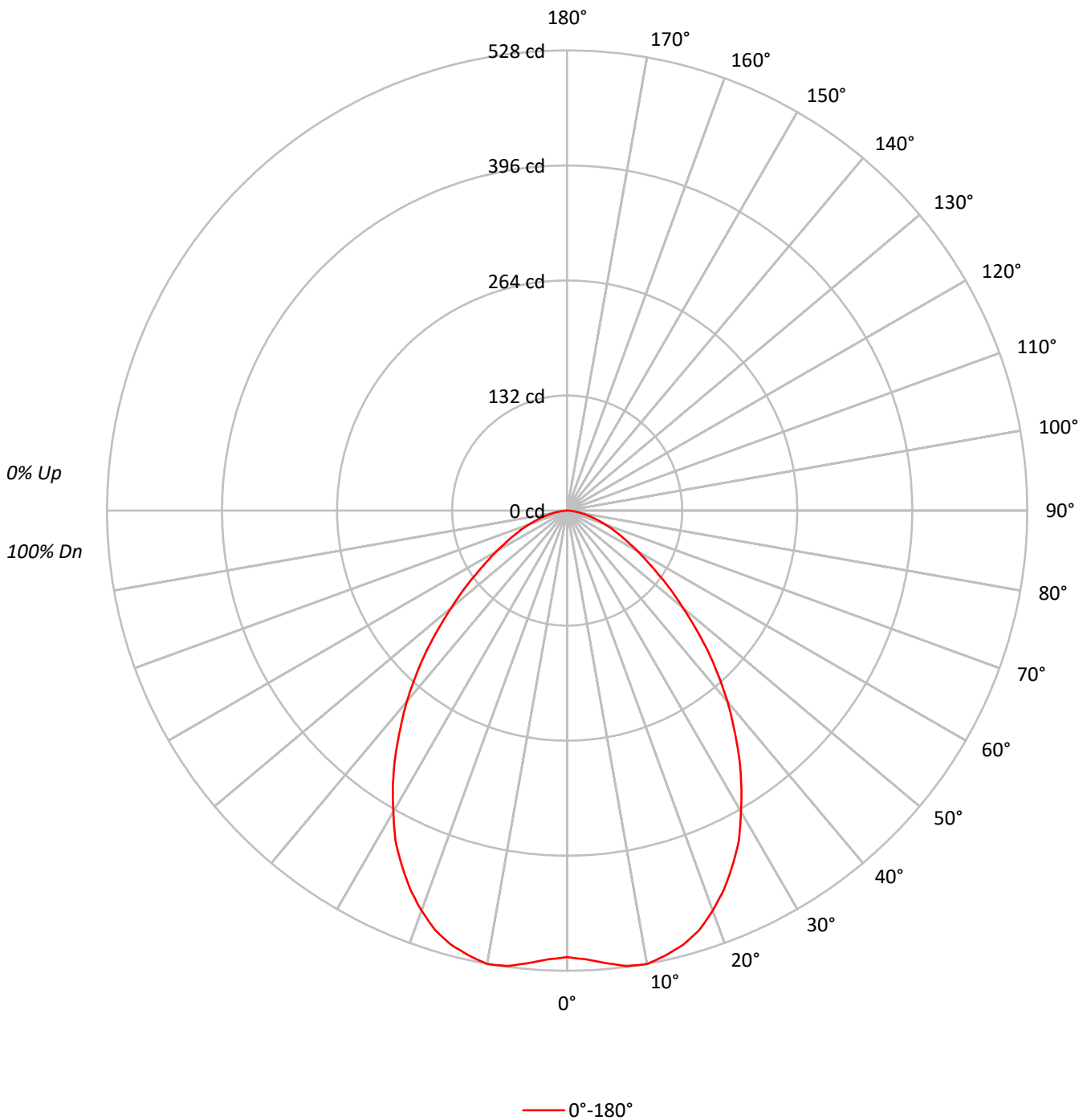
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	36682
5°	37469
10°	38418
15°	38213
20°	37222
25°	35489
30°	32989
35°	30043
40°	26770
45°	23138
50°	19282
55°	15991
60°	13361
65°	11334
70°	9693
75°	8023
80°	6350
85°	4765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	4.9
10°-20°	144.8	14.3
20°-30°	205.9	20.3
30°-40°	214.2	21.1
40°-50°	176.0	17.4
50°-60°	116.2	11.5
60°-70°	67.3	6.6
70°-80°	31.4	3.1
80°-90°	7.2	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°	400.8	39.6
0°-40°	614.9	60.7
0°-60°	907.1	89.5
0°-90°	1013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1013.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	512	
5°	521	50
15°	516	145
25°	449	206
35°	344	214
45°	228	176
55°	128	116
65°	67	67
75°	29	31
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	512.3
2.5°	515.5
5°	521.3
7.5°	527.1
10°	528.4
12.5°	522.6
15°	515.5
17.5°	504.6
20°	488.5
22.5°	470.4
25°	449.2
27.5°	426.7
30°	399.0
32.5°	372.0
35°	343.7
37.5°	314.1
40°	286.4
42.5°	256.8
45°	228.5
47.5°	200.1
50°	173.1
52.5°	150.6
55°	128.1
57.5°	109.4
60°	93.3
62.5°	79.2
65°	66.9
67.5°	56.6
70°	46.3
72.5°	37.3
75°	29.0
77.5°	21.9
80°	15.4
82.5°	10.3
85°	5.8
87.5°	2.6
90°	0.0

(END OF REPORT)