

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: P365424

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1236.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

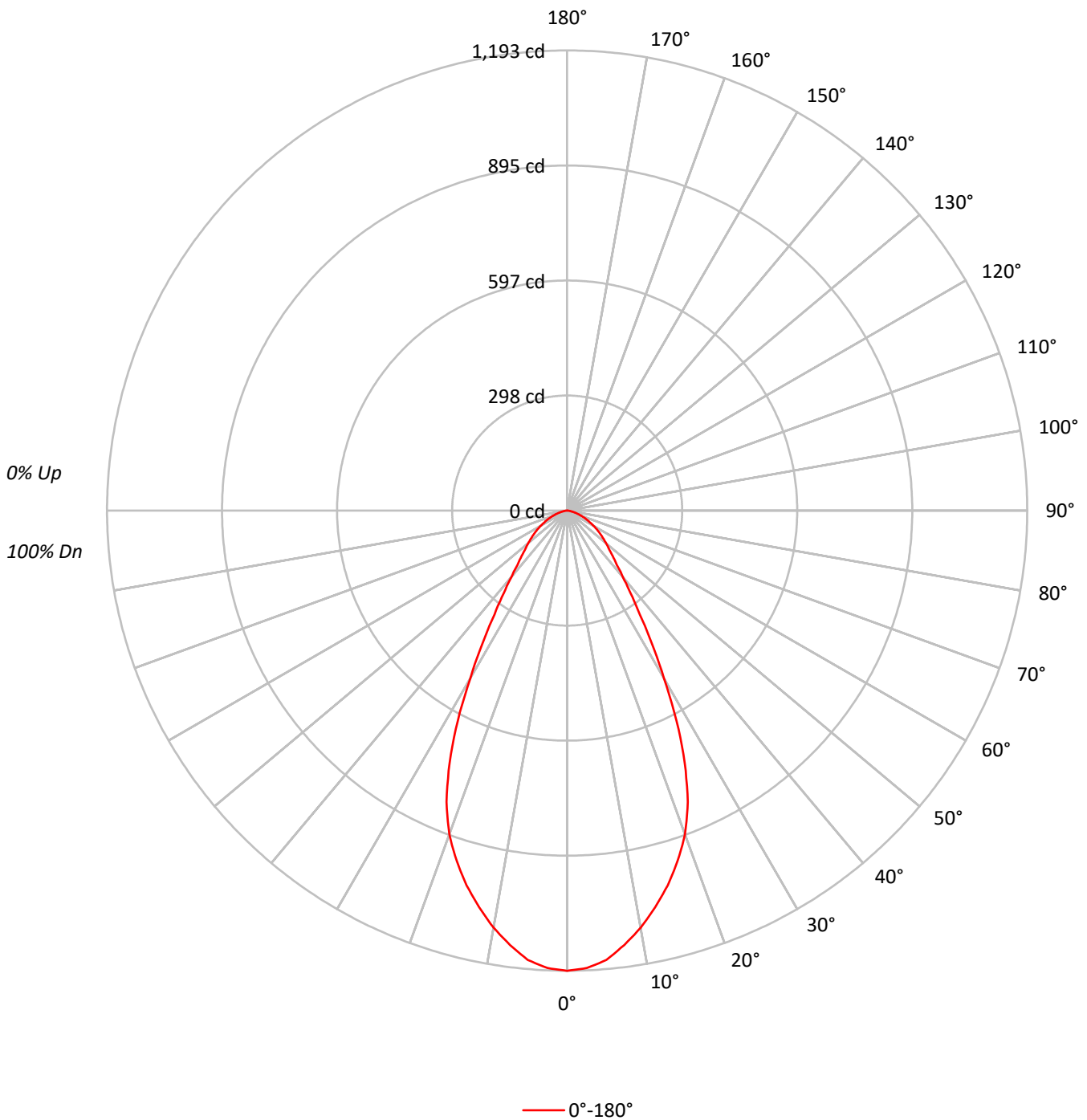
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85442
5°	84037
10°	79839
15°	74602
20°	68074
25°	56993
30°	41488
35°	28705
40°	20993
45°	16910
50°	14648
55°	12958
60°	11299
65°	9640
70°	7892
75°	5893
80°	4123
85°	3533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	8.8
10°-20°	281.1	22.7
20°-30°	324.5	26.3
30°-40°	211.6	17.1
40°-50°	131.3	10.6
50°-60°	93.3	7.5
60°-70°	56.7	4.6
70°-80°	23.5	1.9
80°-90°	4.8	0.4
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°	714.8	57.8
0°-40°	926.4	74.9
0°-60°	1151.0	93.1
0°-90°	1236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1236.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1193	
5°	1169	109
15°	1006	281
25°	721	324
35°	328	212
45°	167	131
55°	104	93
65°	57	57
75°	21	23
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1193.3
2.5°	1186.9
5°	1169.2
7.5°	1135.8
10°	1098.1
12.5°	1053.3
15°	1006.4
17.5°	952.4
20°	893.4
22.5°	817.4
25°	721.4
27.5°	614.1
30°	501.8
32.5°	408.0
35°	328.4
37.5°	269.4
40°	224.6
42.5°	191.2
45°	167.0
47.5°	147.1
50°	131.5
52.5°	117.3
55°	103.8
57.5°	91.7
60°	78.9
62.5°	67.5
65°	56.9
67.5°	46.9
70°	37.7
72.5°	29.1
75°	21.3
77.5°	14.9
80°	10.0
82.5°	6.4
85°	4.3
87.5°	2.1
90°	0.0

(END OF REPORT)