

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: P365422

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1253.0 lumens
Efficiency: N/A
Efficacy: 61.7 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

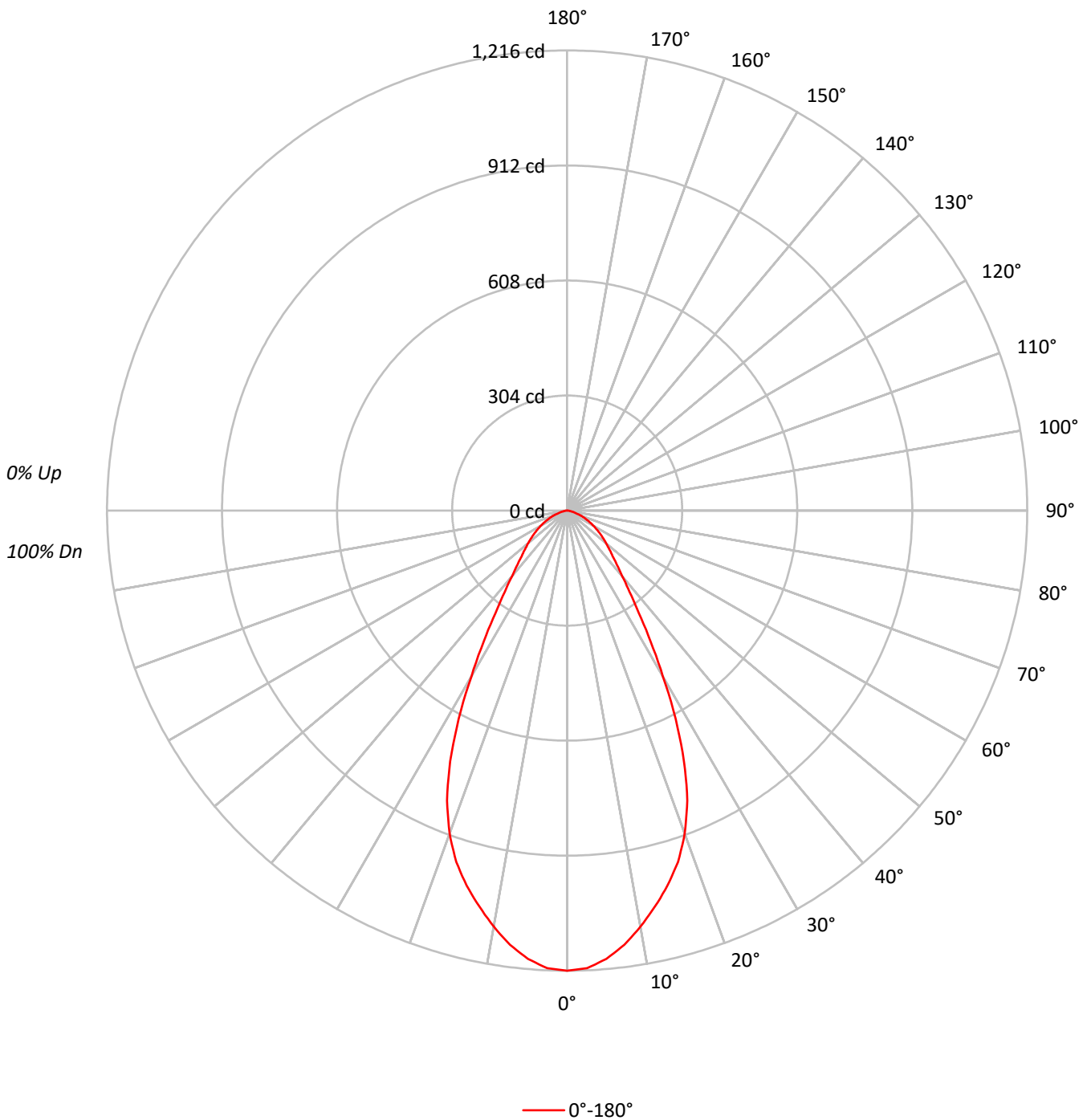
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	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	93	84	77	72	91	82	76	72	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	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87068
5°	85460
10°	81177
15°	76025
20°	69217
25°	57744
30°	41868
35°	28810
40°	21180
45°	17194
50°	14949
55°	13207
60°	11499
65°	9742
70°	7872
75°	5699
80°	3794
85°	4108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	8.9
10°-20°	286.5	22.9
20°-30°	328.7	26.2
30°-40°	212.8	17.0
40°-50°	133.7	10.7
50°-60°	95.1	7.6
60°-70°	57.4	4.6
70°-80°	22.8	1.8
80°-90°	4.9	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°	726.4	58.0
0°-40°	939.1	75.0
0°-60°	1167.9	93.2
0°-90°	1253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1253.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1216	
5°	1189	111
15°	1026	286
25°	731	329
35°	330	213
45°	170	134
55°	106	95
65°	58	57
75°	21	23
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1216.0
2.5°	1210.3
5°	1189.0
7.5°	1157.0
10°	1116.5
12.5°	1071.8
15°	1025.6
17.5°	973.8
20°	908.4
22.5°	829.6
25°	730.9
27.5°	620.8
30°	506.4
32.5°	409.8
35°	329.6
37.5°	270.6
40°	226.6
42.5°	194.6
45°	169.8
47.5°	150.6
50°	134.2
52.5°	120.0
55°	105.8
57.5°	93.0
60°	80.3
62.5°	68.9
65°	57.5
67.5°	46.9
70°	37.6
72.5°	28.4
75°	20.6
77.5°	14.2
80°	9.2
82.5°	5.7
85°	5.0
87.5°	2.8
90°	0.0

(END OF REPORT)