

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: P365920

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1005.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

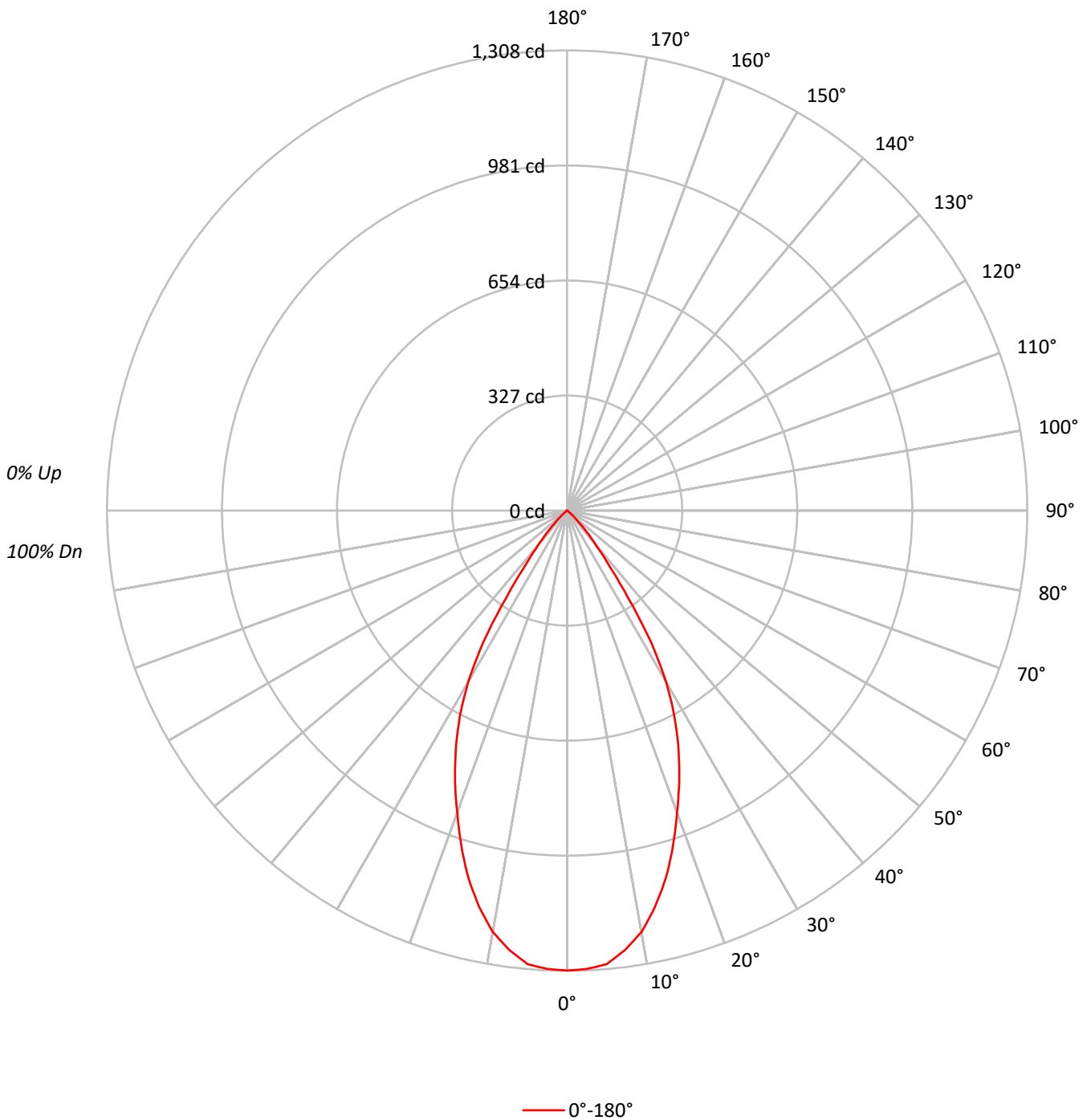
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75		81	77	74		80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70		77	73	70		76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58		66	61	58		65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55		63	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35715
5°	35478
10°	33733
15°	30612
20°	26557
25°	22574
30°	17764
35°	10007
40°	4496
45°	1870
50°	561
55°	157
60°	98
65°	71
70°	56
75°	74
80°	63
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	12.0
10°-20°	300.5	29.9
20°-30°	340.2	33.9
30°-40°	195.1	19.4
40°-50°	42.4	4.2
50°-60°	4.2	0.4
60°-70°	1.2	0.1
70°-80°	0.6	0.1
80°-90°	0.1	0.0
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°	761.5	75.8
0°-40°	956.6	95.2
0°-60°	1003.1	99.8
0°-90°	1005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1005.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1308	
5°	1294	121
15°	1082	300
25°	749	340
35°	300	195
45°	48	42
55°	3	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1307.5
2.5°	1303.8
5°	1293.9
7.5°	1259.8
10°	1216.2
12.5°	1153.9
15°	1082.5
17.5°	1000.4
20°	913.6
22.5°	832.2
25°	749.0
27.5°	661.1
30°	563.2
32.5°	443.8
35°	300.1
37.5°	189.8
40°	126.1
42.5°	80.6
45°	48.4
47.5°	26.4
50°	13.2
52.5°	5.5
55°	3.3
57.5°	2.6
60°	1.8
62.5°	1.5
65°	1.1
67.5°	1.1
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)