

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: P365896

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 983.0 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

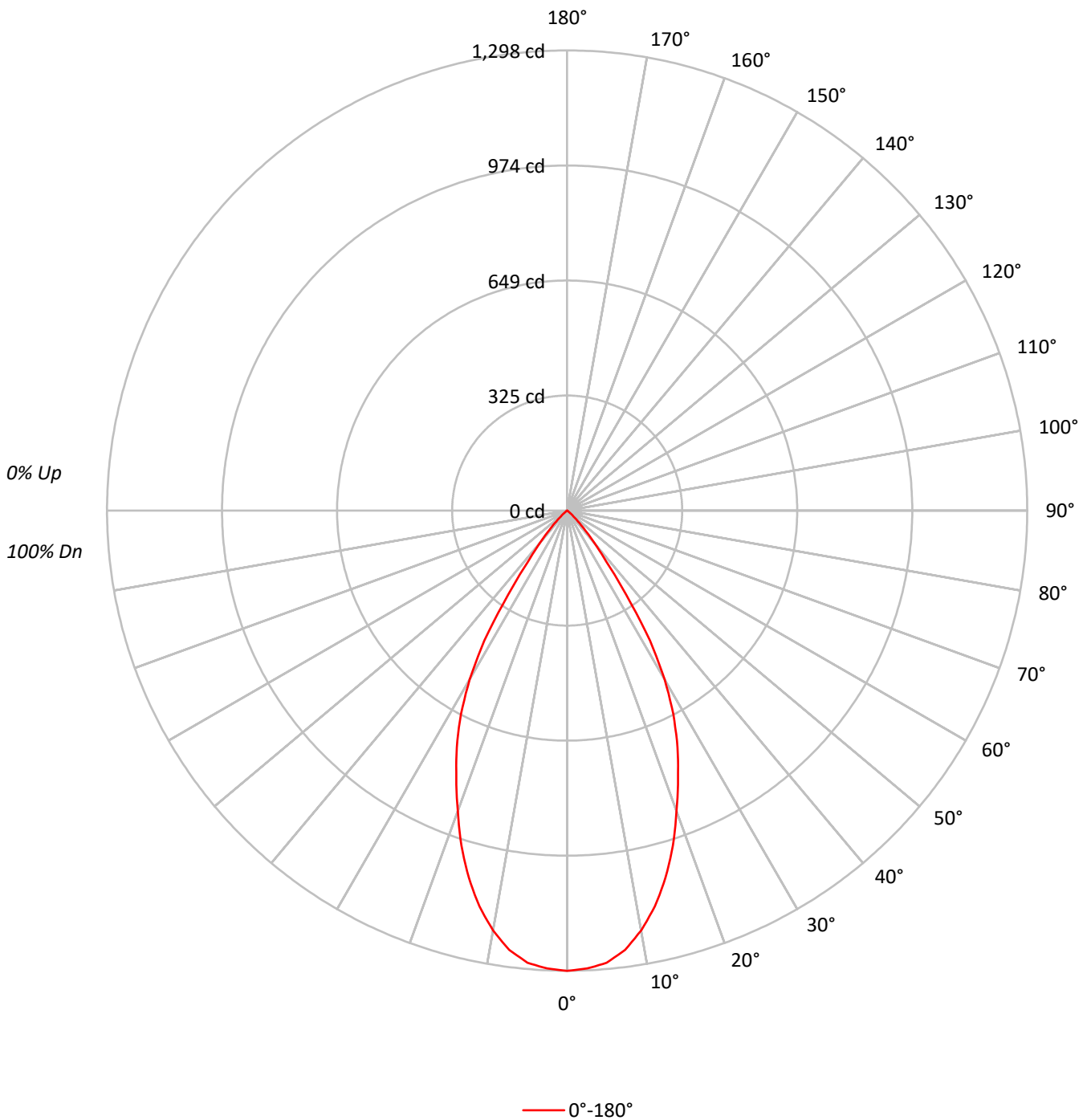
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	72
6	89	81	75	71	88	80	75	71	79	74	70		77	73	70		76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66		73	69	66		72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62		70	65	62		69	65	62	60
9	78	68	63	59	77	68	62	59	67	62	59		66	62	58		65	61	58	57
10	74	65	59	56	73	64	59	56	64	59	55		63	58	55		62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35463
5°	35108
10°	33351
15°	30318
20°	26228
25°	22212
30°	17335
35°	9650
40°	4229
45°	1700
50°	467
55°	81
60°	55
65°	45
70°	24
75°	32
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	12.2
10°-20°	297.5	30.3
20°-30°	334.2	34.0
30°-40°	189.1	19.2
40°-50°	39.0	4.0
50°-60°	2.8	0.3
60°-70°	0.6	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	751.3	76.4
0°-40°	940.4	95.7
0°-60°	982.2	99.9
0°-90°	983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1298	
5°	1280	120
15°	1072	297
25°	737	334
35°	289	189
45°	44	39
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1298.3
2.5°	1292.8
5°	1280.4
7.5°	1249.8
10°	1202.4
12.5°	1143.2
15°	1072.1
17.5°	991.3
20°	902.3
22.5°	817.0
25°	737.0
27.5°	648.3
30°	549.6
32.5°	434.8
35°	289.4
37.5°	181.5
40°	118.6
42.5°	74.9
45°	44.0
47.5°	23.4
50°	11.0
52.5°	3.8
55°	1.7
57.5°	1.4
60°	1.0
62.5°	0.7
65°	0.7
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)