

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: P365160

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
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-MW-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 789.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

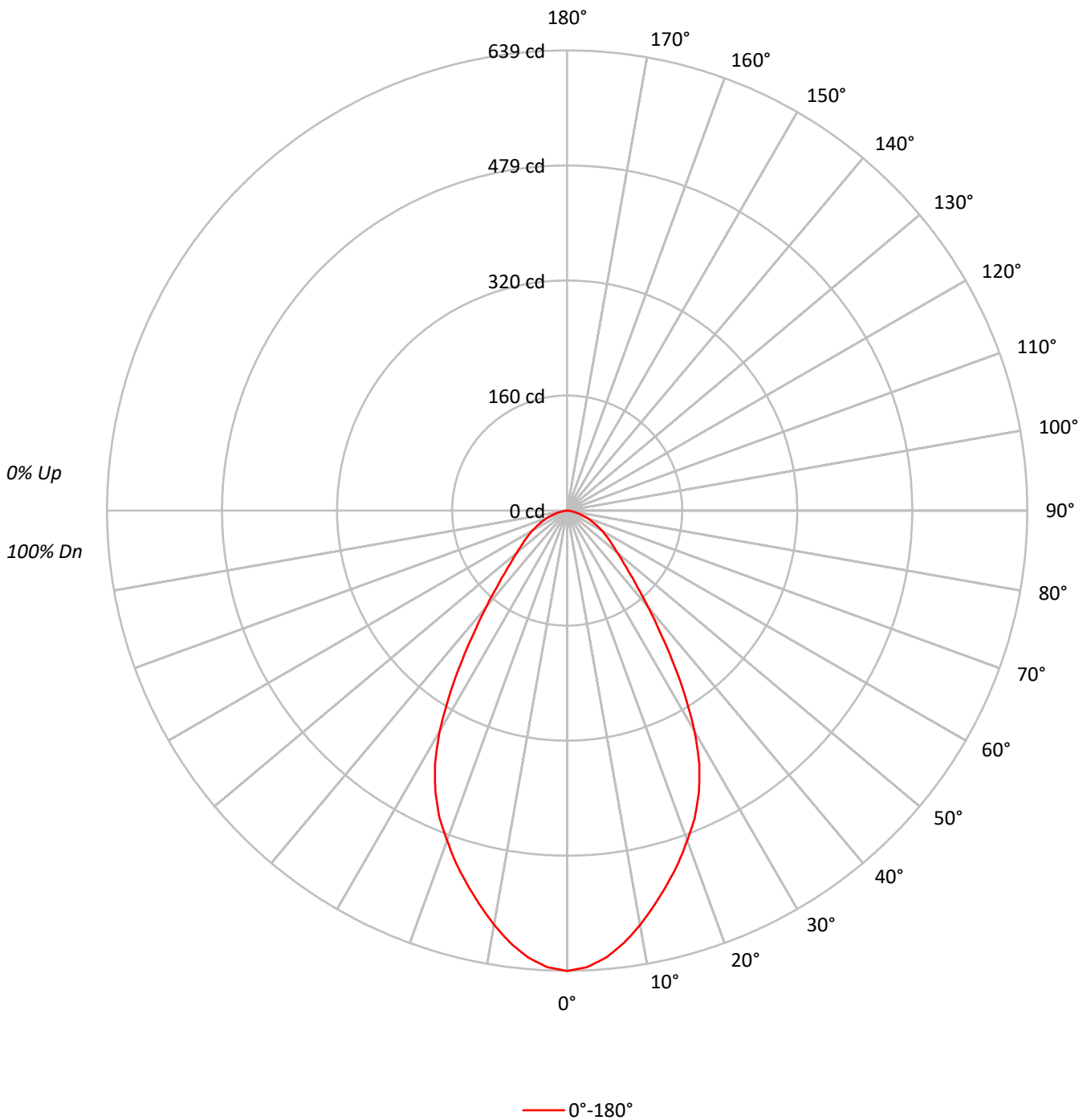
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17465
5°	17080
10°	16201
15°	15183
20°	14168
25°	13032
30°	11162
35°	8500
40°	6244
45°	4732
50°	3876
55°	3405
60°	3043
65°	2669
70°	2276
75°	1784
80°	1195
85°	533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	7.4
10°-20°	150.7	19.1
20°-30°	196.4	24.9
30°-40°	160.2	20.3
40°-50°	97.0	12.3
50°-60°	64.4	8.2
60°-70°	41.2	5.2
70°-80°	18.3	2.3
80°-90°	2.7	0.3
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°	405.4	51.4
0°-40°	565.5	71.7
0°-60°	726.9	92.1
0°-90°	789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	789.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	639	
5°	623	58
15°	537	151
25°	432	196
35°	255	160
45°	122	97
55°	72	64
65°	41	41
75°	17	18
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	639.4
2.5°	634.6
5°	622.9
7.5°	605.4
10°	584.1
12.5°	560.7
15°	536.9
17.5°	513.2
20°	487.4
22.5°	462.6
25°	432.4
27.5°	397.3
30°	353.9
32.5°	304.4
35°	254.9
37.5°	210.2
40°	175.1
42.5°	145.2
45°	122.5
47.5°	104.6
50°	91.2
52.5°	80.1
55°	71.5
57.5°	63.3
60°	55.7
62.5°	48.5
65°	41.3
67.5°	34.7
70°	28.5
72.5°	22.4
75°	16.9
77.5°	12.0
80°	7.6
82.5°	4.1
85°	1.7
87.5°	0.3
90°	0.0

(END OF REPORT)