

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: P365360

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1461.0 lumens
Efficiency: N/A
Efficacy: 72.0 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

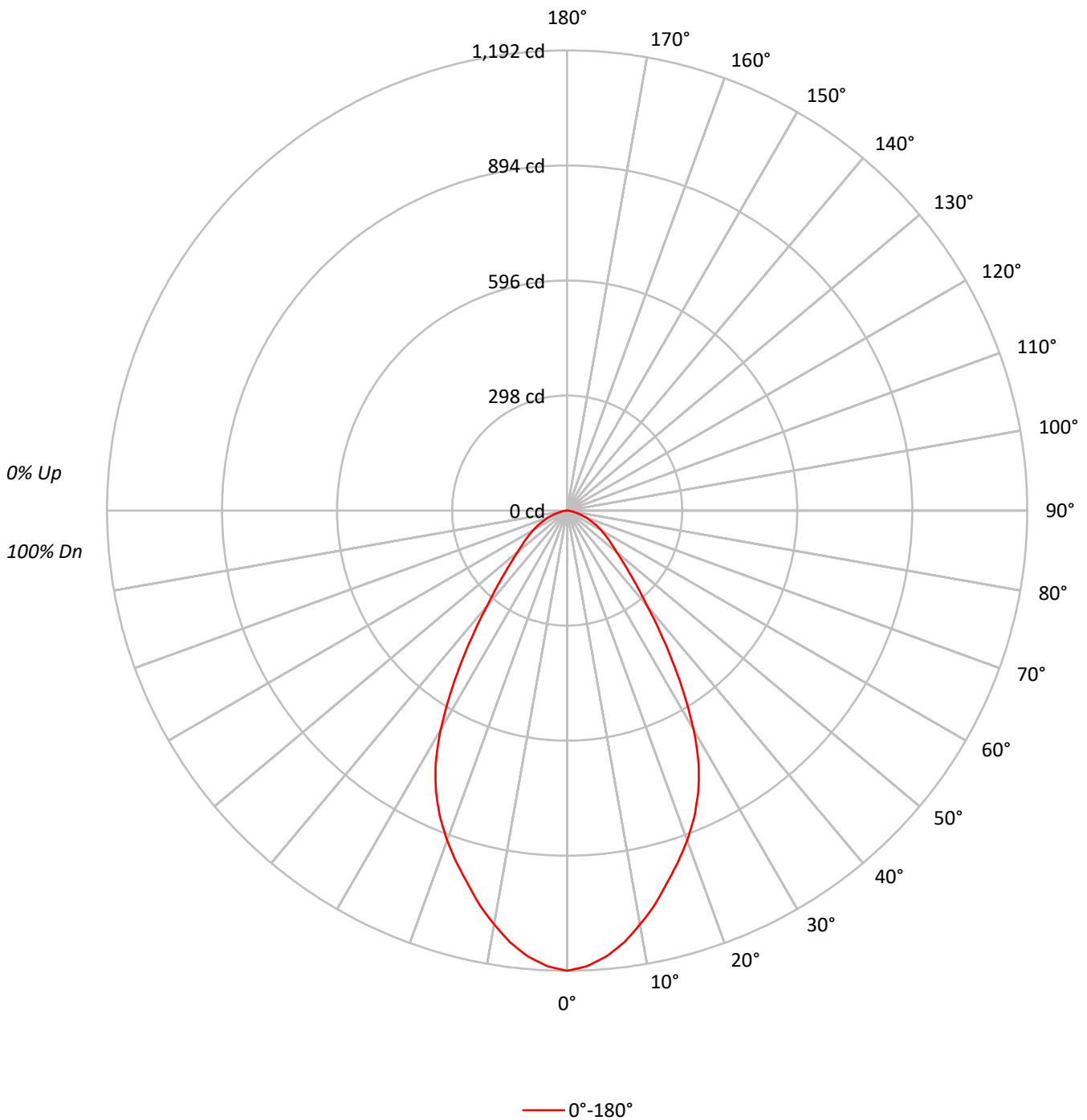
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32557
5°	31796
10°	30189
15°	28231
20°	26420
25°	24232
30°	20672
35°	15826
40°	11507
45°	8777
50°	7114
55°	6243
60°	5545
65°	4822
70°	4081
75°	3198
80°	2108
85°	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	7.4
10°-20°	280.7	19.2
20°-30°	365.0	25.0
30°-40°	297.5	20.4
40°-50°	179.6	12.3
50°-60°	117.9	8.1
60°-70°	74.5	5.1
70°-80°	32.6	2.2
80°-90°	4.8	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°	754.2	51.6
0°-40°	1051.6	72.0
0°-60°	1349.2	92.3
0°-90°	1461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1461.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1192	
5°	1160	108
15°	998	281
25°	804	365
35°	475	297
45°	227	180
55°	131	118
65°	75	74
75°	30	33
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1191.9
2.5°	1181.1
5°	1159.6
7.5°	1128.7
10°	1088.4
12.5°	1046.7
15°	998.3
17.5°	954.6
20°	908.9
22.5°	859.8
25°	804.0
27.5°	737.5
30°	655.4
32.5°	564.0
35°	474.6
37.5°	392.6
40°	322.7
42.5°	270.2
45°	227.2
47.5°	193.6
50°	167.4
52.5°	147.2
55°	131.1
57.5°	115.6
60°	101.5
62.5°	88.1
65°	74.6
67.5°	62.5
70°	51.1
72.5°	40.3
75°	30.3
77.5°	20.8
80°	13.4
82.5°	7.4
85°	2.7
87.5°	0.7
90°	0.0

(END OF REPORT)