

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: P365232

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365232
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-FEU6B12-8050-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: 870.0 lumens
Efficiency: N/A
Efficacy: 87.0 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

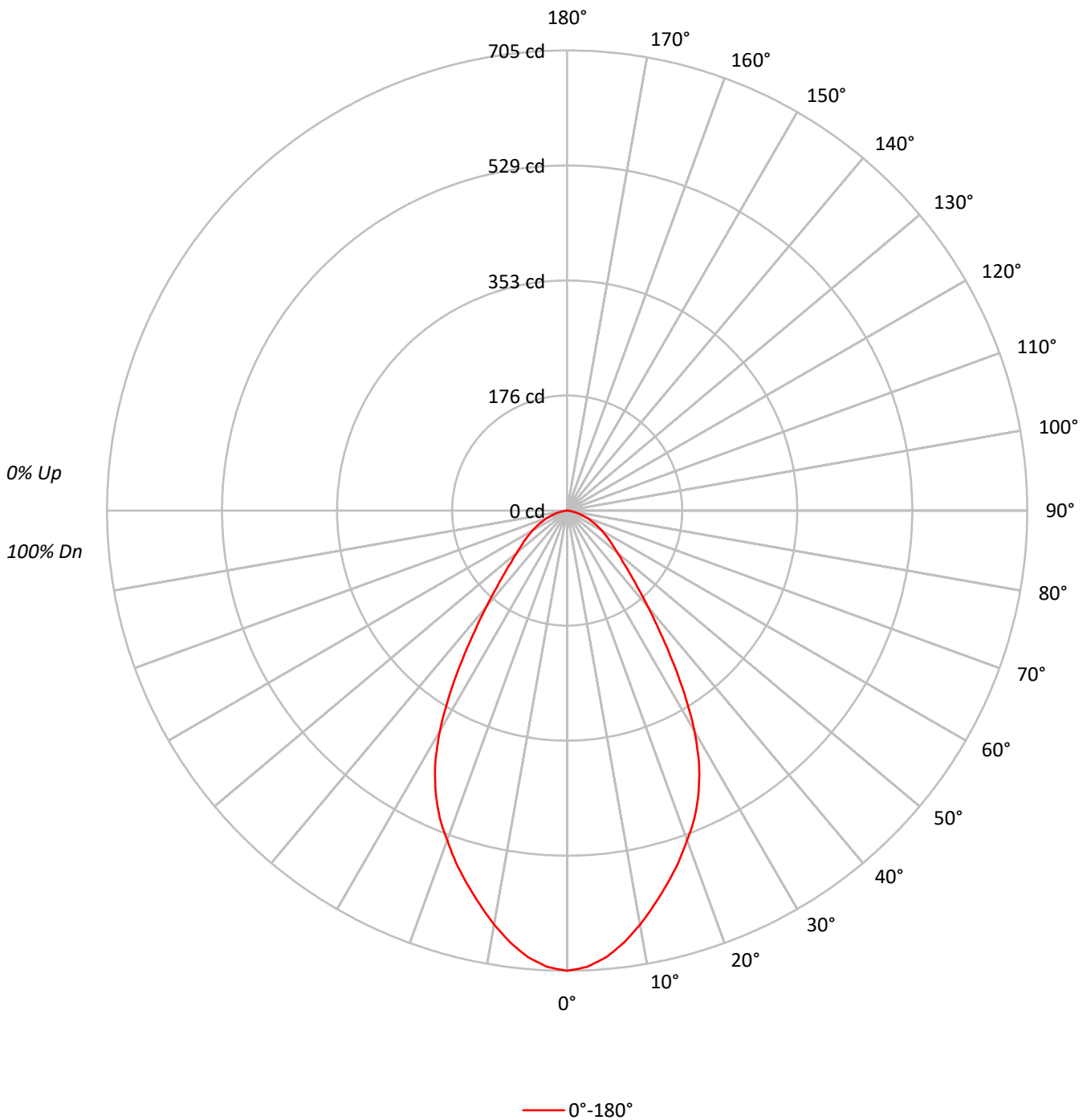
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19260
5°	18835
10°	17862
15°	16744
20°	15621
25°	14370
30°	12310
35°	9370
40°	6885
45°	5215
50°	4271
55°	3757
60°	3354
65°	2941
70°	2516
75°	1963
80°	1306
85°	595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	7.4
10°-20°	166.2	19.1
20°-30°	216.6	24.9
30°-40°	176.6	20.3
40°-50°	106.9	12.3
50°-60°	71.0	8.2
60°-70°	45.4	5.2
70°-80°	20.1	2.3
80°-90°	3.0	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°	447.0	51.4
0°-40°	623.6	71.7
0°-60°	801.5	92.1
0°-90°	870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	705	
5°	687	64
15°	592	166
25°	477	217
35°	281	177
45°	135	107
55°	79	71
65°	46	45
75°	19	20
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	705.1
2.5°	699.8
5°	686.9
7.5°	667.5
10°	644.0
12.5°	618.2
15°	592.1
17.5°	565.9
20°	537.4
22.5°	510.1
25°	476.8
27.5°	438.1
30°	390.3
32.5°	335.7
35°	281.0
37.5°	231.7
40°	193.1
42.5°	160.1
45°	135.0
47.5°	115.3
50°	100.5
52.5°	88.4
55°	78.9
57.5°	69.8
60°	61.4
62.5°	53.5
65°	45.5
67.5°	38.3
70°	31.5
72.5°	24.7
75°	18.6
77.5°	13.3
80°	8.3
82.5°	4.6
85°	1.9
87.5°	0.4
90°	0.0

(END OF REPORT)