

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: P365285

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1148.0 lumens
Efficiency: N/A
Efficacy: 80.8 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

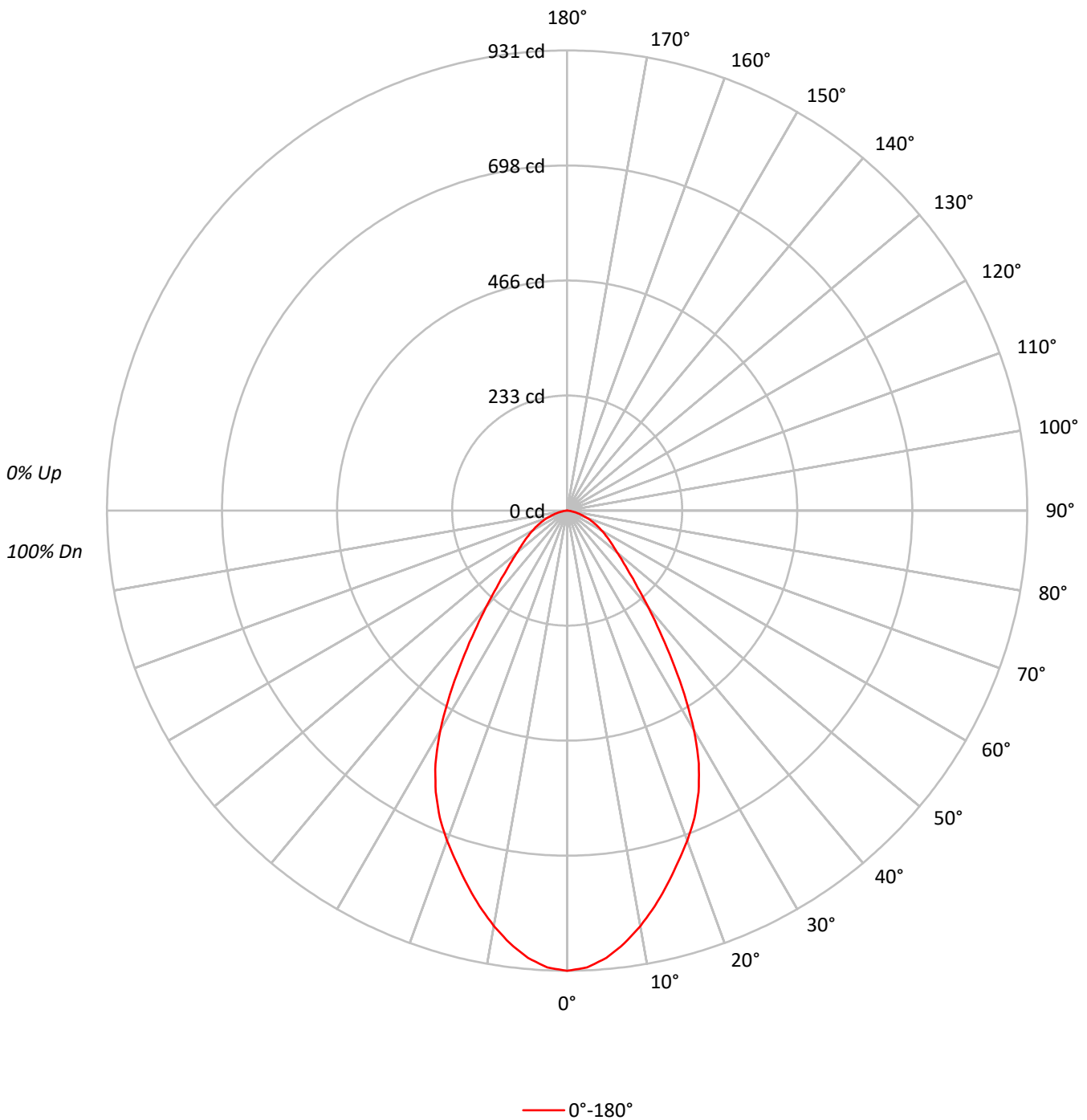
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		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	78	68	62	57	67	61	56		65	60	56		64	59	55	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	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°	25433
5°	24916
10°	23668
15°	22142
20°	20659
25°	18954
30°	16187
35°	12341
40°	9086
45°	6895
50°	5618
55°	4938
60°	4414
65°	3897
70°	3306
75°	2575
80°	1730
85°	784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	7.4
10°-20°	219.7	19.1
20°-30°	285.6	24.9
30°-40°	232.7	20.3
40°-50°	141.2	12.3
50°-60°	93.5	8.1
60°-70°	60.0	5.2
70°-80°	26.5	2.3
80°-90°	3.9	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°	590.2	51.4
0°-40°	822.9	71.7
0°-60°	1057.7	92.1
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	931	
5°	909	85
15°	783	220
25°	629	286
35°	370	233
45°	178	141
55°	104	93
65°	60	60
75°	24	26
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	931.1
2.5°	925.1
5°	908.7
7.5°	883.7
10°	853.3
12.5°	819.4
15°	783.0
17.5°	745.6
20°	710.7
22.5°	672.8
25°	628.9
27.5°	577.0
30°	513.2
32.5°	441.4
35°	370.1
37.5°	306.7
40°	254.8
42.5°	211.5
45°	178.5
47.5°	152.6
50°	132.2
52.5°	116.7
55°	103.7
57.5°	91.8
60°	80.8
62.5°	70.3
65°	60.3
67.5°	50.9
70°	41.4
72.5°	32.4
75°	24.4
77.5°	17.5
80°	11.0
82.5°	6.0
85°	2.5
87.5°	0.5
90°	0.0

(END OF REPORT)