

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: P365077

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4950.1 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

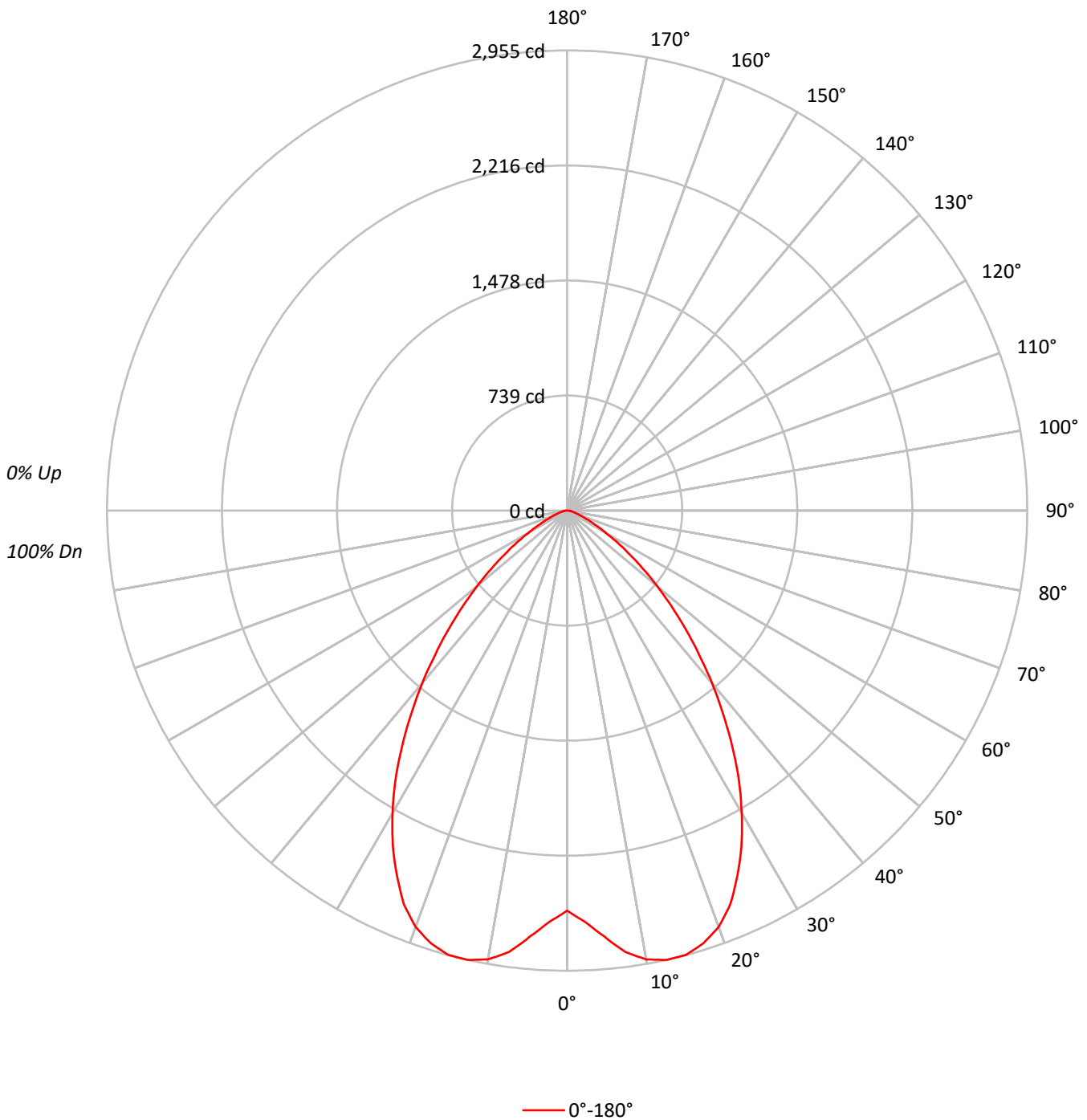
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183967
5°	197413
10°	212746
15°	218899
20°	216804
25°	204407
30°	185341
35°	161621
40°	135494
45°	109067
50°	83990
55°	61069
60°	41457
65°	27379
70°	17858
75°	13666
80°	12040
85°	14788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	5.4
10°-20°	828.4	16.7
20°-30°	1182.9	23.9
30°-40°	1150.8	23.2
40°-50°	832.5	16.8
50°-60°	446.2	9.0
60°-70°	168.3	3.4
70°-80°	55.3	1.1
80°-90°	17.4	0.4
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°	2279.5	46.1
0°-40°	3430.3	69.3
0°-60°	4709.1	95.1
0°-90°	4950.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4950.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2569	
5°	2747	268
15°	2953	828
25°	2587	1183
35°	1849	1151
45°	1077	832
55°	489	446
65°	162	168
75°	49	55
85°	18	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2569.3
2.5°	2643.4
5°	2746.6
7.5°	2858.8
10°	2926.1
12.5°	2955.3
15°	2953.0
17.5°	2912.6
20°	2845.3
22.5°	2737.6
25°	2587.3
27.5°	2425.7
30°	2241.7
32.5°	2053.2
35°	1849.0
37.5°	1642.6
40°	1449.6
42.5°	1252.1
45°	1077.1
47.5°	906.6
50°	754.0
52.5°	612.6
55°	489.2
57.5°	383.7
60°	289.5
62.5°	217.7
65°	161.6
67.5°	116.7
70°	85.3
72.5°	65.1
75°	49.4
77.5°	38.1
80°	29.2
82.5°	22.4
85°	18.0
87.5°	9.0
90°	0.0

(END OF REPORT)