

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: P365149

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365149
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-FEU6B67-8050-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: 5463.0 lumens
Efficiency: N/A
Efficacy: 74.4 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

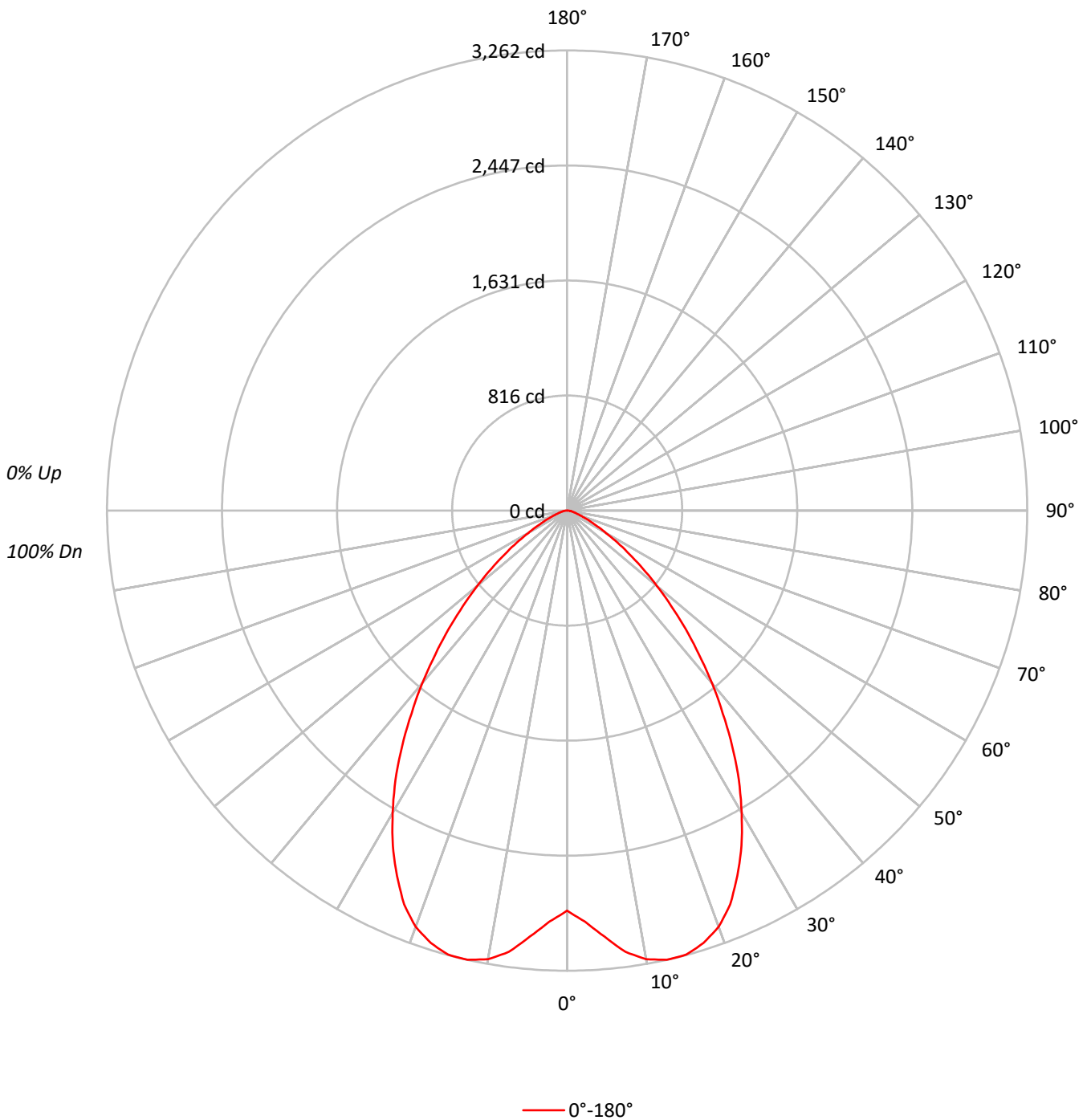
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	203034
5°	217869
10°	234798
15°	241590
20°	239274
25°	225588
30°	204547
35°	178368
40°	149533
45°	120368
50°	92690
55°	67398
60°	45754
65°	30208
70°	19700
75°	15077
80°	13277
85°	16266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.0	5.4
10°-20°	914.3	16.7
20°-30°	1305.5	23.9
30°-40°	1270.1	23.2
40°-50°	918.7	16.8
50°-60°	492.5	9.0
60°-70°	185.7	3.4
70°-80°	61.0	1.1
80°-90°	19.2	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°	2515.8	46.1
0°-40°	3785.8	69.3
0°-60°	5197.1	95.1
0°-90°	5463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5463.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2836	
5°	3031	296
15°	3259	914
25°	2855	1306
35°	2041	1270
45°	1189	919
55°	540	492
65°	178	186
75°	54	61
85°	20	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2835.6
2.5°	2917.3
5°	3031.2
7.5°	3155.1
10°	3229.4
12.5°	3261.6
15°	3259.1
17.5°	3214.5
20°	3140.2
22.5°	3021.3
25°	2855.4
27.5°	2677.1
30°	2474.0
32.5°	2266.0
35°	2040.6
37.5°	1812.8
40°	1599.8
42.5°	1381.9
45°	1188.7
47.5°	1000.5
50°	832.1
52.5°	676.1
55°	539.9
57.5°	423.5
60°	319.5
62.5°	240.2
65°	178.3
67.5°	128.8
70°	94.1
72.5°	71.8
75°	54.5
77.5°	42.1
80°	32.2
82.5°	24.8
85°	19.8
87.5°	9.9
90°	0.0

(END OF REPORT)