

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: P365132

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5282.9 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

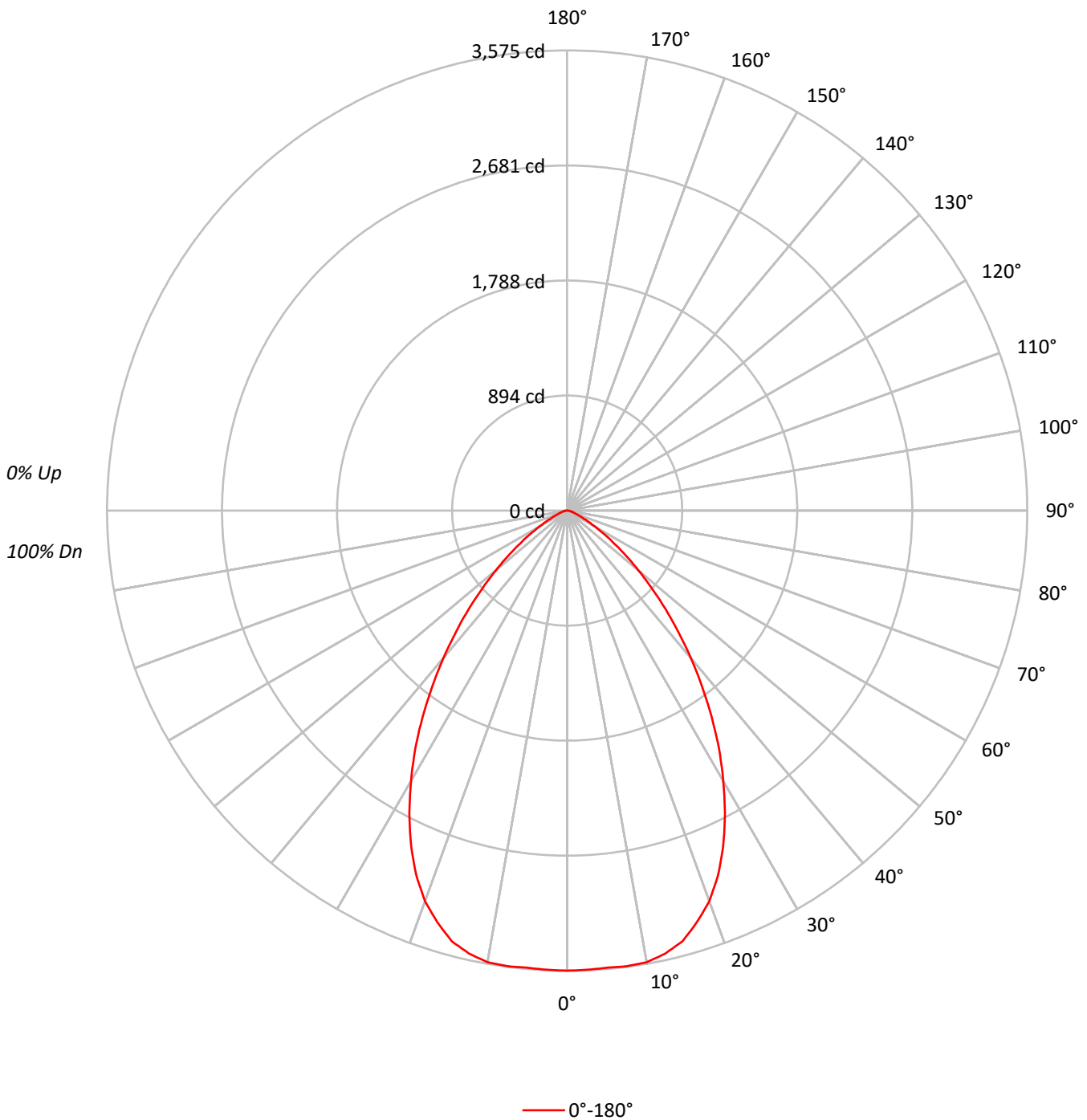
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
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	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	255955
5°	256236
10°	259024
15°	256741
20°	246033
25°	226623
30°	200570
35°	171035
40°	139709
45°	109229
50°	80559
55°	55851
60°	35672
65°	21720
70°	14675
75°	11370
80°	9979
85°	13884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.5	6.4
10°-20°	968.5	18.3
20°-30°	1310.1	24.8
30°-40°	1218.6	23.1
40°-50°	835.0	15.8
50°-60°	411.4	7.8
60°-70°	137.5	2.6
70°-80°	45.5	0.9
80°-90°	15.8	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°	2619.1	49.6
0°-40°	3837.7	72.6
0°-60°	5084.1	96.2
0°-90°	5282.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5282.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3575	
5°	3565	341
15°	3464	969
25°	2868	1310
35°	1957	1219
45°	1079	835
55°	447	411
65°	128	138
75°	41	46
85°	17	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3574.7
2.5°	3569.9
5°	3565.0
7.5°	3569.9
10°	3562.6
12.5°	3523.9
15°	3463.5
17.5°	3352.2
20°	3228.9
22.5°	3064.4
25°	2868.5
27.5°	2655.6
30°	2425.9
32.5°	2196.1
35°	1956.7
37.5°	1719.6
40°	1494.7
42.5°	1277.0
45°	1078.7
47.5°	890.1
50°	723.2
52.5°	578.0
55°	447.4
57.5°	341.0
60°	249.1
62.5°	179.0
65°	128.2
67.5°	91.9
70°	70.1
72.5°	53.2
75°	41.1
77.5°	31.4
80°	24.2
82.5°	19.3
85°	16.9
87.5°	9.7
90°	0.0

(END OF REPORT)