

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: P365855

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4133.9 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

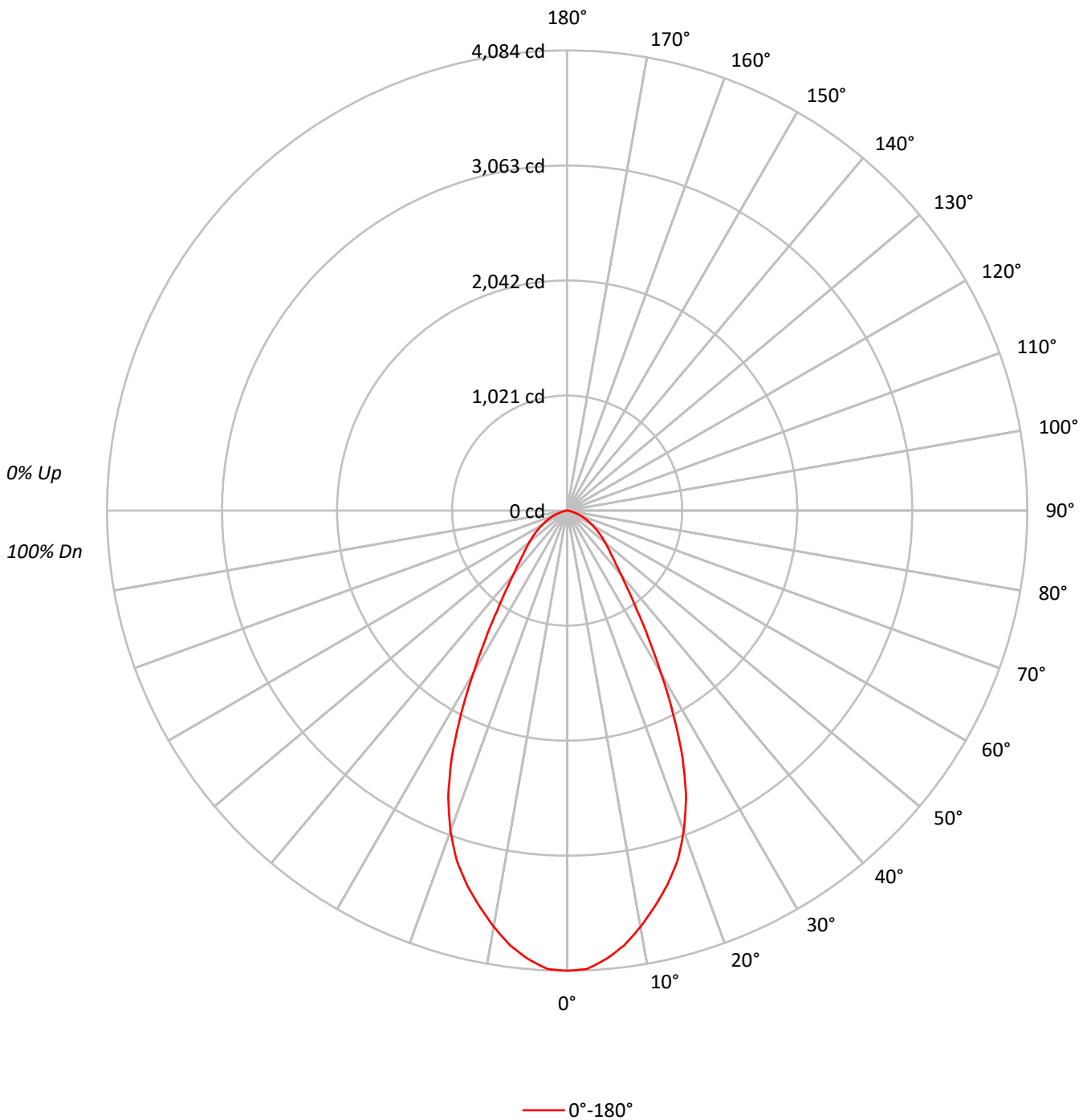
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	292415
5°	287099
10°	272649
15°	254844
20°	230618
25°	191521
30°	137420
35°	94315
40°	69420
45°	56098
50°	48779
55°	42893
60°	37075
65°	31564
70°	24808
75°	17401
80°	10968
85°	11912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.7	9.0
10°-20°	959.3	23.2
20°-30°	1088.1	26.3
30°-40°	697.4	16.9
40°-50°	437.2	10.6
50°-60°	308.3	7.5
60°-70°	185.2	4.5
70°-80°	70.6	1.7
80°-90°	14.2	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°	2421.0	58.6
0°-40°	3118.4	75.4
0°-60°	3863.9	93.5
0°-90°	4133.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4133.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4084	
5°	3994	374
15°	3438	959
25°	2424	1088
35°	1079	697
45°	554	437
55°	344	308
65°	186	185
75°	63	71
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4083.9
2.5°	4071.8
5°	3994.4
7.5°	3890.4
10°	3750.0
12.5°	3597.6
15°	3437.9
17.5°	3256.5
20°	3026.6
22.5°	2758.1
25°	2424.2
27.5°	2039.5
30°	1662.1
32.5°	1342.8
35°	1079.0
37.5°	887.9
40°	742.7
42.5°	636.3
45°	554.0
47.5°	493.6
50°	437.9
52.5°	389.5
55°	343.6
57.5°	300.0
60°	258.9
62.5°	222.6
65°	186.3
67.5°	152.4
70°	118.5
72.5°	89.5
75°	62.9
77.5°	43.5
80°	26.6
82.5°	16.9
85°	14.5
87.5°	7.3
90°	0.0

(END OF REPORT)