

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: P365837

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365837
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-FEU6B67-8035-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: 4091.0 lumens
Efficiency: N/A
Efficacy: 55.7 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

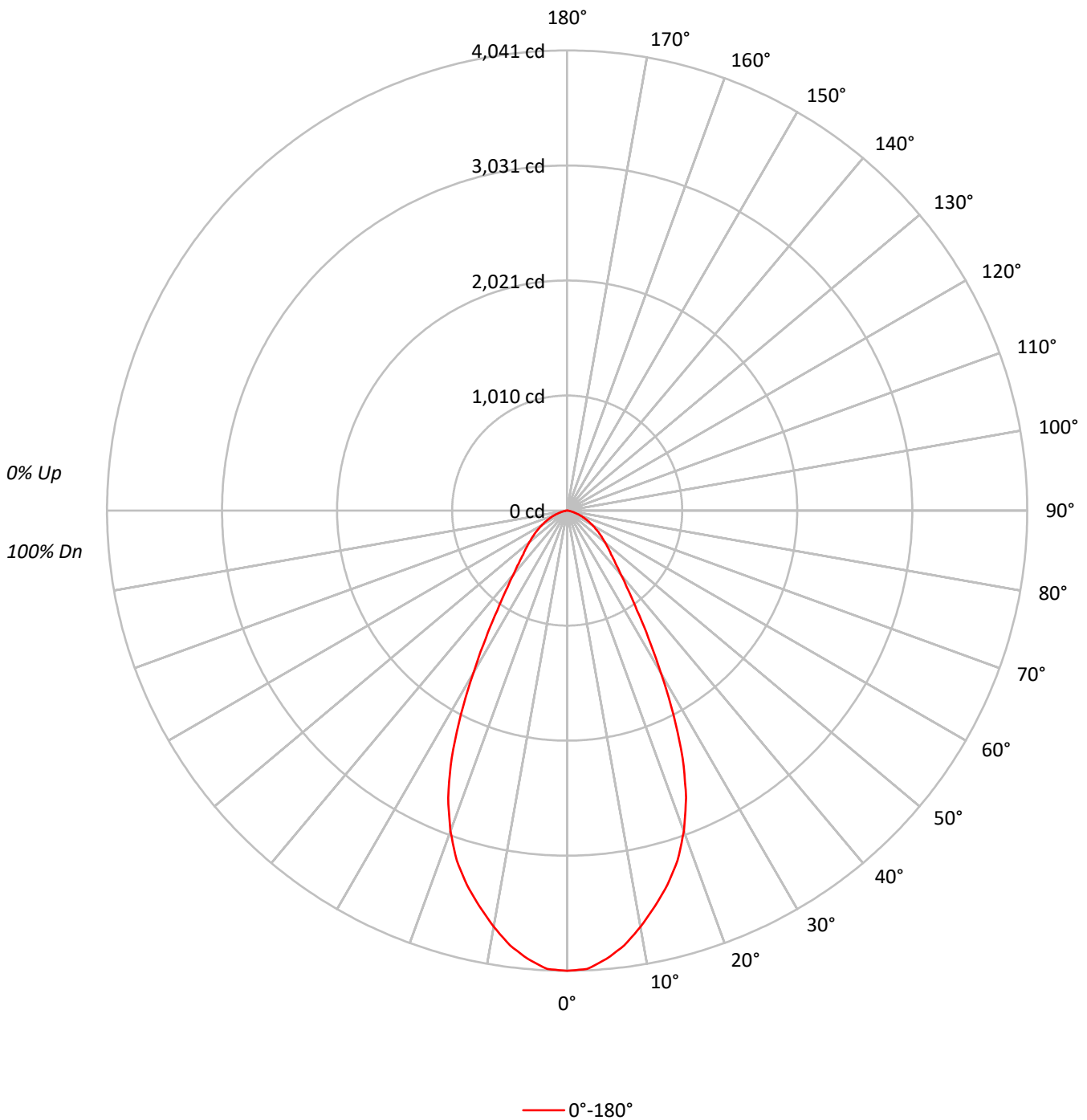
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	289372
5°	284109
10°	269814
15°	252197
20°	228226
25°	189530
30°	135990
35°	93336
40°	68700
45°	55521
50°	48278
55°	42444
60°	36689
65°	31242
70°	24557
75°	17208
80°	10845
85°	11830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.8	9.0
10°-20°	949.3	23.2
20°-30°	1076.8	26.3
30°-40°	690.2	16.9
40°-50°	432.6	10.6
50°-60°	305.1	7.5
60°-70°	183.3	4.5
70°-80°	69.9	1.7
80°-90°	14.0	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°	2395.9	58.6
0°-40°	3086.0	75.4
0°-60°	3823.8	93.5
0°-90°	4091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4091.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4041	
5°	3953	370
15°	3402	949
25°	2399	1077
35°	1068	690
45°	548	433
55°	340	305
65°	184	183
75°	62	70
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4041.4
2.5°	4029.5
5°	3952.8
7.5°	3849.9
10°	3711.0
12.5°	3560.2
15°	3402.2
17.5°	3222.6
20°	2995.2
22.5°	2729.4
25°	2399.0
27.5°	2018.3
30°	1644.8
32.5°	1328.8
35°	1067.8
37.5°	878.7
40°	735.0
42.5°	629.7
45°	548.3
47.5°	488.4
50°	433.4
52.5°	385.5
55°	340.0
57.5°	296.9
60°	256.2
62.5°	220.3
65°	184.4
67.5°	150.8
70°	117.3
72.5°	88.6
75°	62.2
77.5°	43.1
80°	26.3
82.5°	16.8
85°	14.4
87.5°	7.2
90°	0.0

(END OF REPORT)