

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: P365809

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5315.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

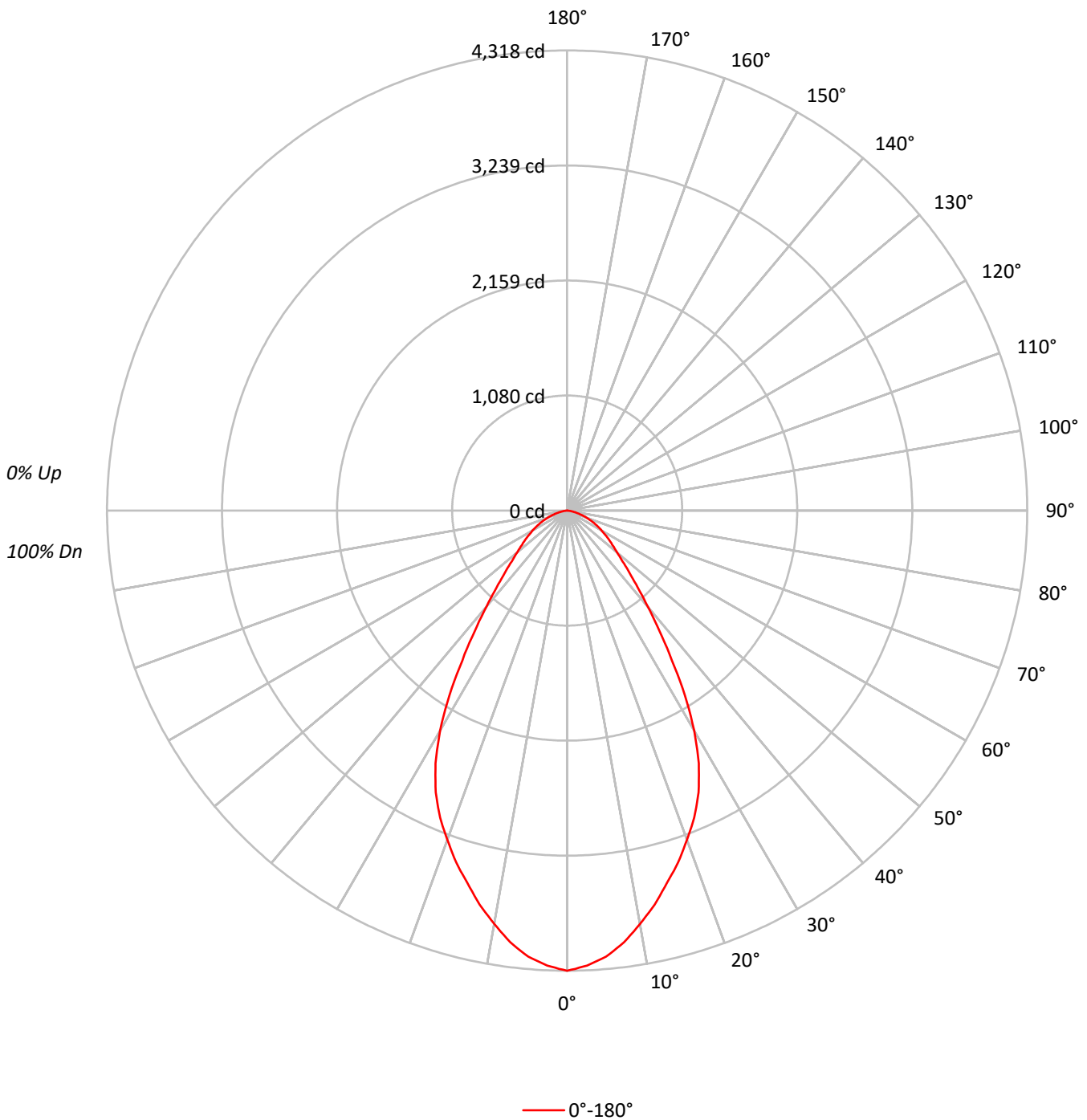
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97		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		83	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117961
5°	115195
10°	109241
15°	102287
20°	95530
25°	87949
30°	75172
35°	57178
40°	41905
45°	31896
50°	26015
55°	22902
60°	20377
65°	17891
70°	15174
75°	11884
80°	8117
85°	3667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.7	7.4
10°-20°	1016.8	19.1
20°-30°	1323.8	24.9
30°-40°	1080.3	20.3
40°-50°	653.1	12.3
50°-60°	432.6	8.1
60°-70°	275.3	5.2
70°-80°	122.0	2.3
80°-90°	18.4	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°	2733.2	51.4
0°-40°	3813.5	71.8
0°-60°	4899.2	92.2
0°-90°	5315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5315.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4318	
5°	4201	393
15°	3617	1017
25°	2918	1324
35°	1715	1080
45°	826	653
55°	481	433
65°	277	275
75°	113	122
85°	12	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4318.5
2.5°	4273.9
5°	4201.2
7.5°	4086.3
10°	3938.5
12.5°	3788.4
15°	3617.1
17.5°	3462.3
20°	3286.4
22.5°	3117.5
25°	2918.1
27.5°	2674.1
30°	2383.3
32.5°	2057.2
35°	1714.7
37.5°	1423.9
40°	1175.2
42.5°	978.2
45°	825.7
47.5°	706.1
50°	612.2
52.5°	539.5
55°	480.9
57.5°	424.6
60°	373.0
62.5°	323.7
65°	276.8
67.5°	232.2
70°	190.0
72.5°	150.1
75°	112.6
77.5°	79.8
80°	51.6
82.5°	28.1
85°	11.7
87.5°	2.3
90°	0.0

(END OF REPORT)