

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: P365878

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
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-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6370.0 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

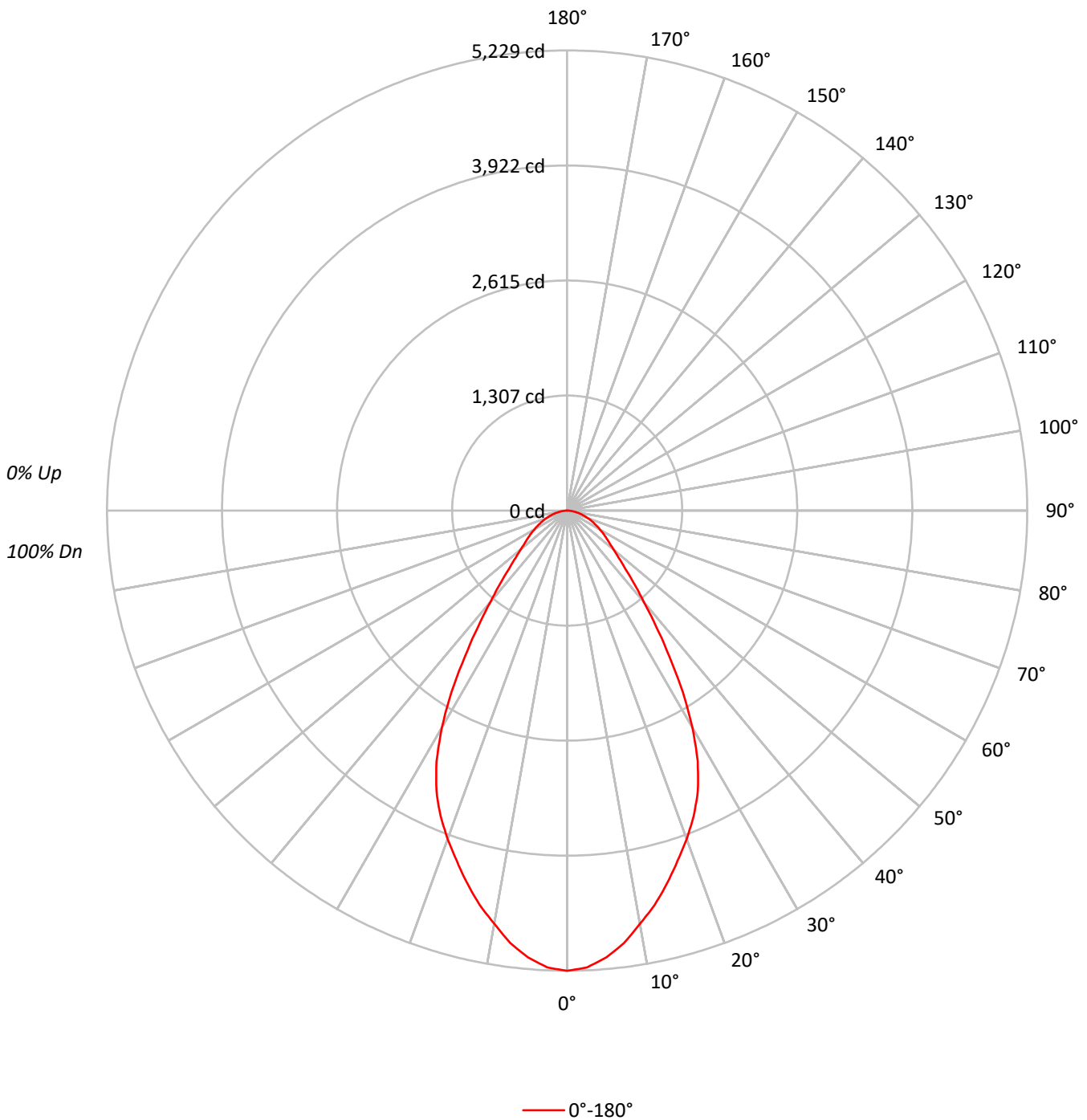
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		89	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68		76	71	67		74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		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	63	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	142842
5°	139760
10°	132226
15°	124034
20°	115392
25°	105924
30°	89759
35°	67422
40°	48380
45°	36192
50°	29164
55°	25878
60°	23518
65°	21555
70°	19727
75°	18058
80°	16092
85°	13257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.2	7.5
10°-20°	1229.7	19.3
20°-30°	1592.6	25.0
30°-40°	1274.8	20.0
40°-50°	743.4	11.7
50°-60°	490.0	7.7
60°-70°	332.5	5.2
70°-80°	181.9	2.9
80°-90°	48.9	0.8
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°	3298.5	51.8
0°-40°	4573.3	71.8
0°-60°	5806.7	91.2
0°-90°	6370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6370.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5229	
5°	5097	476
15°	4386	1230
25°	3514	1593
35°	2022	1275
45°	937	743
55°	543	490
65°	334	332
75°	171	182
85°	42	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5229.4
2.5°	5195.9
5°	5097.1
7.5°	4956.0
10°	4767.2
12.5°	4590.7
15°	4386.1
17.5°	4172.6
20°	3969.7
22.5°	3758.0
25°	3514.5
27.5°	3212.8
30°	2845.8
32.5°	2448.9
35°	2021.9
37.5°	1663.7
40°	1356.8
42.5°	1123.9
45°	936.9
47.5°	793.9
50°	686.3
52.5°	605.2
55°	543.4
57.5°	487.0
60°	430.5
62.5°	381.1
65°	333.5
67.5°	291.1
70°	247.0
72.5°	208.2
75°	171.1
77.5°	135.9
80°	102.3
82.5°	70.6
85°	42.3
87.5°	15.9
90°	0.0

(END OF REPORT)