

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: P366528

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-WMH-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6127.9 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

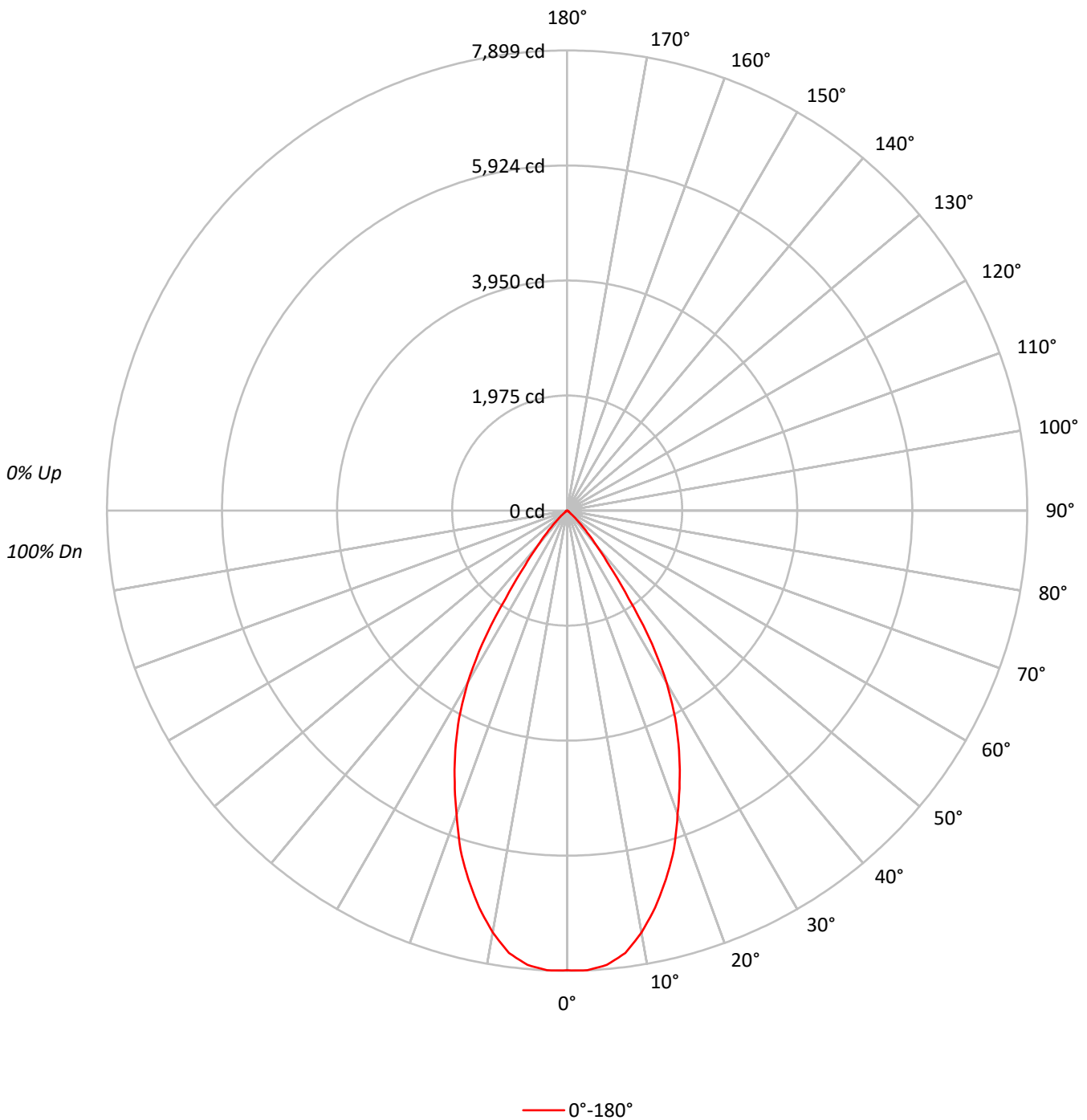
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	215578
5°	214671
10°	203925
15°	185238
20°	161187
25°	137039
30°	107801
35°	61506
40°	27674
45°	11651
50°	3676
55°	1114
60°	765
65°	608
70°	559
75°	739
80°	362
85°	721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.3	12.0
10°-20°	1822.1	29.7
20°-30°	2064.8	33.7
30°-40°	1197.0	19.5
40°-50°	265.4	4.3
50°-60°	29.1	0.5
60°-70°	9.5	0.2
70°-80°	6.2	0.1
80°-90°	1.6	0.0
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°	4619.2	75.4
0°-40°	5816.2	94.9
0°-60°	6110.7	99.7
0°-90°	6127.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6127.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7892	
5°	7829	732
15°	6550	1822
25°	4547	2065
35°	1844	1197
45°	302	265
55°	23	29
65°	9	10
75°	7	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7892.2
2.5°	7899.3
5°	7829.1
7.5°	7658.5
10°	7352.2
12.5°	6980.5
15°	6550.4
17.5°	6096.8
20°	5545.1
22.5°	5047.2
25°	4546.9
27.5°	4013.9
30°	3417.8
32.5°	2714.1
35°	1844.5
37.5°	1185.2
40°	776.1
42.5°	507.3
45°	301.6
47.5°	168.3
50°	86.5
52.5°	39.7
55°	23.4
57.5°	18.7
60°	14.0
62.5°	11.7
65°	9.4
67.5°	7.0
70°	7.0
72.5°	7.0
75°	7.0
77.5°	4.7
80°	2.3
82.5°	2.3
85°	2.3
87.5°	0.0
90°	0.0

(END OF REPORT)