

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: P366582

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366582
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-FEU6B67-8050-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: 6471.0 lumens
Efficiency: N/A
Efficacy: 88.2 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

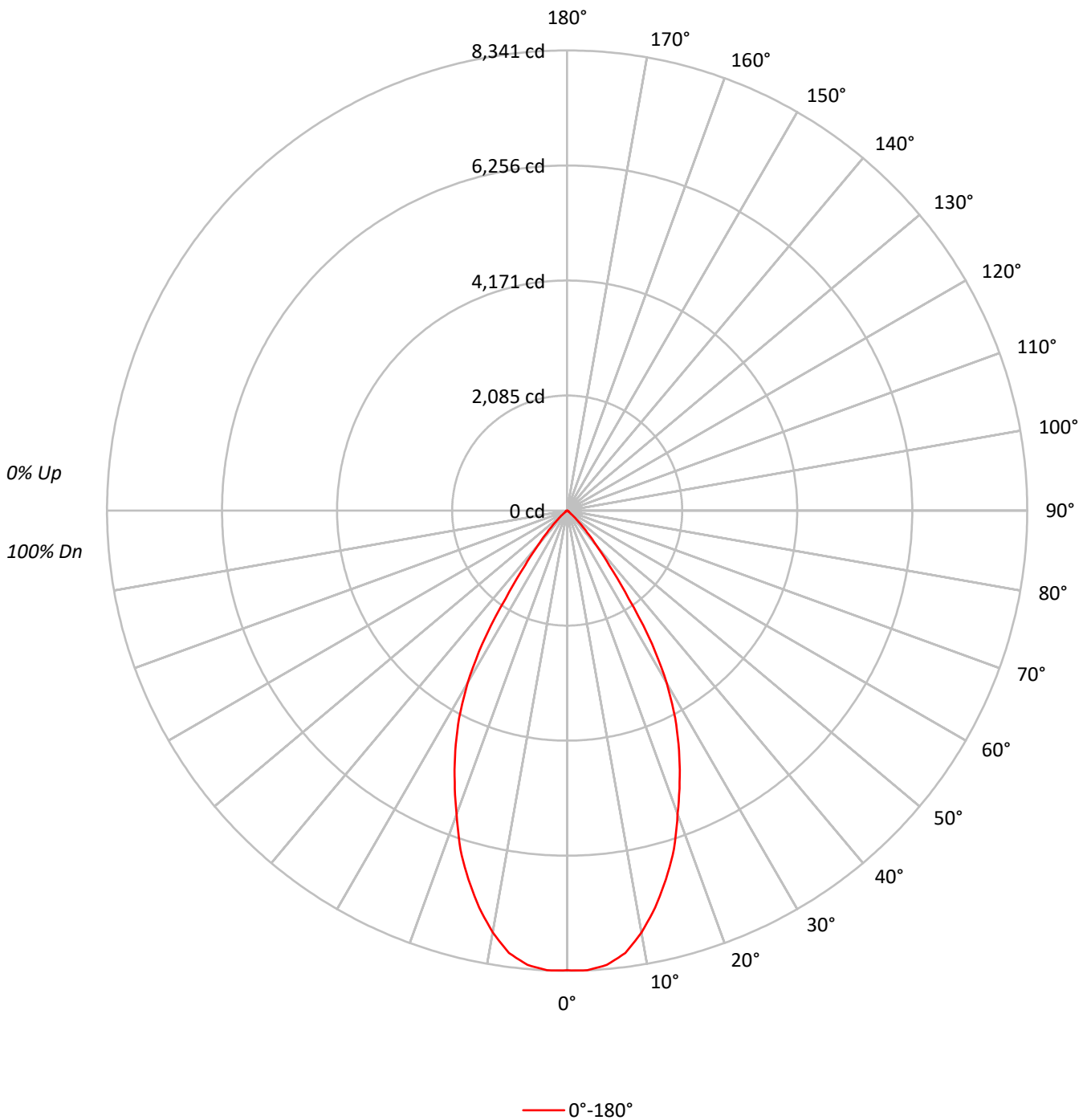
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	227645
5°	226686
10°	215339
15°	195605
20°	170209
25°	144710
30°	113834
35°	64948
40°	29225
45°	12300
50°	3880
55°	1176
60°	809
65°	640
70°	591
75°	781
80°	393
85°	784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	773.3	12.0
10°-20°	1924.1	29.7
20°-30°	2180.3	33.7
30°-40°	1264.0	19.5
40°-50°	280.3	4.3
50°-60°	30.7	0.5
60°-70°	10.0	0.2
70°-80°	6.5	0.1
80°-90°	1.7	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°	4877.7	75.4
0°-40°	6141.7	94.9
0°-60°	6452.7	99.7
0°-90°	6471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6471.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8334	
5°	8267	773
15°	6917	1924
25°	4801	2180
35°	1948	1264
45°	318	280
55°	25	31
65°	10	10
75°	7	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8334.0
2.5°	8341.4
5°	8267.3
7.5°	8087.1
10°	7763.7
12.5°	7371.2
15°	6917.0
17.5°	6438.1
20°	5855.5
22.5°	5329.7
25°	4801.4
27.5°	4238.6
30°	3609.1
32.5°	2866.0
35°	1947.7
37.5°	1251.6
40°	819.6
42.5°	535.7
45°	318.4
47.5°	177.7
50°	91.3
52.5°	42.0
55°	24.7
57.5°	19.7
60°	14.8
62.5°	12.3
65°	9.9
67.5°	7.4
70°	7.4
72.5°	7.4
75°	7.4
77.5°	4.9
80°	2.5
82.5°	2.5
85°	2.5
87.5°	0.0
90°	0.0

(END OF REPORT)