

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: P364711

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2448.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

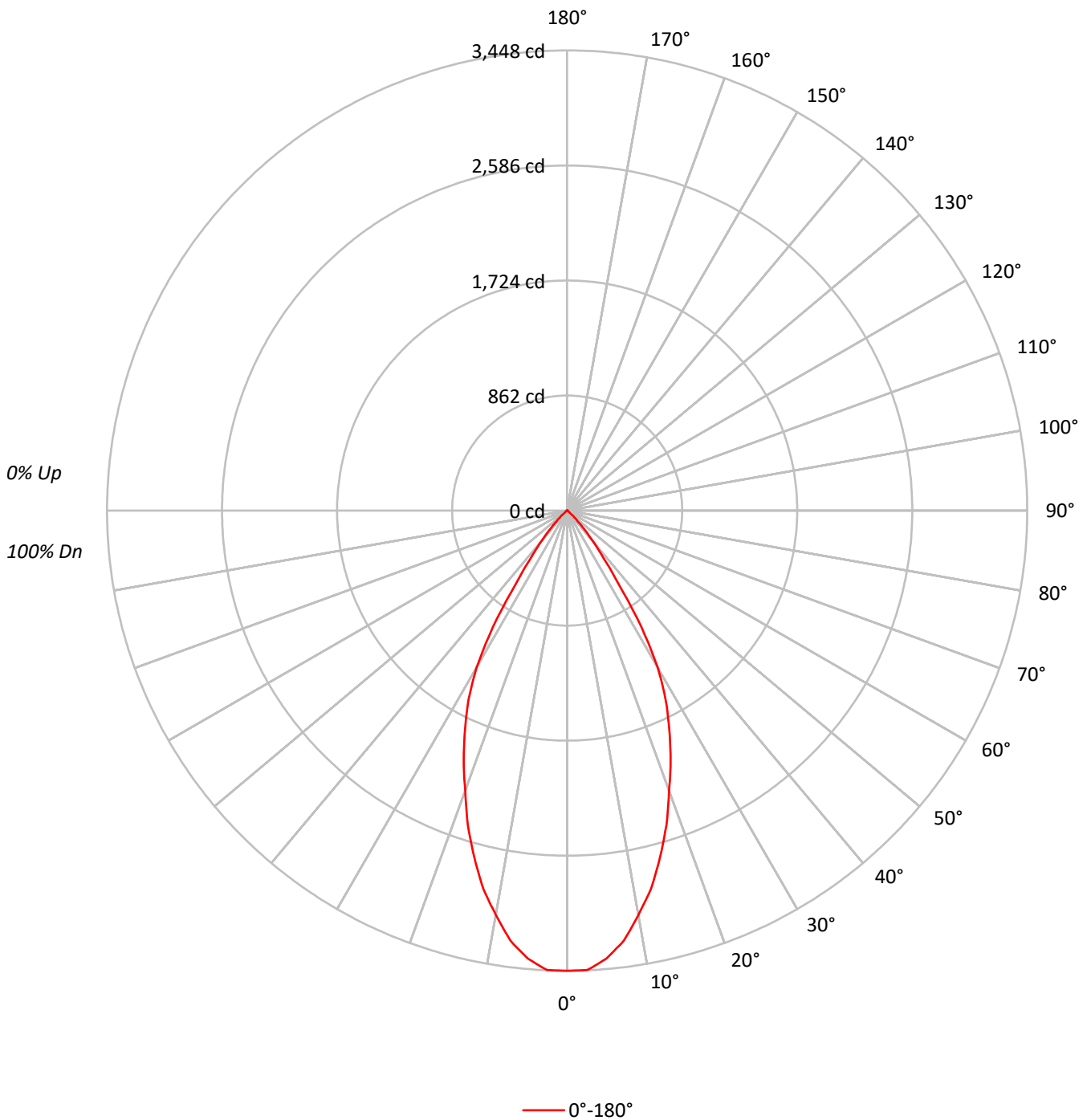
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94186
5°	92393
10°	85323
15°	76033
20°	64933
25°	54534
30°	42811
35°	22185
40°	10594
45°	4172
50°	1096
55°	310
60°	202
65°	181
70°	144
75°	190
80°	142
85°	282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.5	12.8
10°-20°	747.3	30.5
20°-30°	825.0	33.7
30°-40°	454.0	18.5
40°-50°	96.0	3.9
50°-60°	8.1	0.3
60°-70°	2.5	0.1
70°-80°	1.8	0.1
80°-90°	0.9	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°	1884.7	77.0
0°-40°	2338.7	95.5
0°-60°	2442.8	99.8
0°-90°	2448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2448.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3448	
5°	3370	312
15°	2689	747
25°	1809	825
35°	665	454
45°	108	96
55°	6	8
65°	3	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3448.1
2.5°	3446.2
5°	3369.6
7.5°	3251.5
10°	3076.2
12.5°	2901.8
15°	2688.7
17.5°	2471.9
20°	2233.8
22.5°	2025.3
25°	1809.4
27.5°	1600.9
30°	1357.3
32.5°	1036.2
35°	665.3
37.5°	448.4
40°	297.1
42.5°	185.5
45°	108.0
47.5°	55.4
50°	25.8
52.5°	11.1
55°	6.5
57.5°	4.6
60°	3.7
62.5°	2.8
65°	2.8
67.5°	1.8
70°	1.8
72.5°	2.8
75°	1.8
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)