

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: P364784

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364784
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-FEU6B35-8050-F6LBXVM1-LI-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2592.0 lumens
Efficiency: N/A
Efficacy: 96.0 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

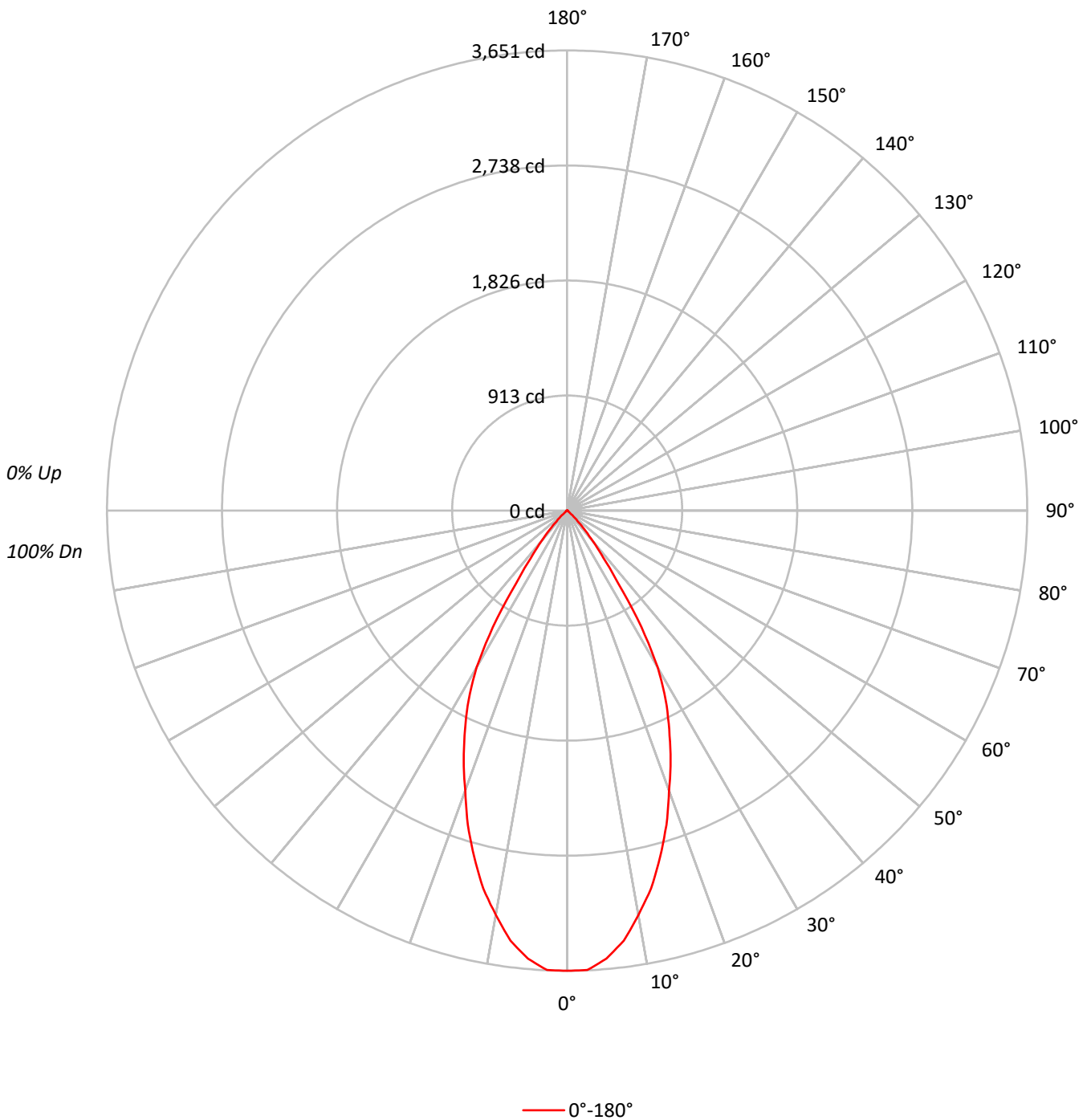
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	73	65	60	56	64	59	56		63	59	56		63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99725
5°	97828
10°	90344
15°	80504
20°	68752
25°	57740
30°	45328
35°	23489
40°	11218
45°	4415
50°	1164
55°	324
60°	213
65°	187
70°	160
75°	211
80°	157
85°	313



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.8	12.8
10°-20°	791.2	30.5
20°-30°	873.6	33.7
30°-40°	480.7	18.5
40°-50°	101.6	3.9
50°-60°	8.6	0.3
60°-70°	2.7	0.1
70°-80°	1.9	0.1
80°-90°	1.0	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°	1995.6	77.0
0°-40°	2476.3	95.5
0°-60°	2586.5	99.8
0°-90°	2592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2592.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3651	
5°	3568	331
15°	2847	791
25°	1916	874
35°	704	481
45°	114	102
55°	7	9
65°	3	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3650.9
2.5°	3648.9
5°	3567.8
7.5°	3442.8
10°	3257.2
12.5°	3072.5
15°	2846.8
17.5°	2617.3
20°	2365.2
22.5°	2144.4
25°	1915.8
27.5°	1695.0
30°	1437.1
32.5°	1097.1
35°	704.4
37.5°	474.8
40°	314.6
42.5°	196.4
45°	114.3
47.5°	58.6
50°	27.4
52.5°	11.7
55°	6.8
57.5°	4.9
60°	3.9
62.5°	2.9
65°	2.9
67.5°	2.0
70°	2.0
72.5°	2.9
75°	2.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	1.0
90°	0.0

(END OF REPORT)