

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: P365466

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2294.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

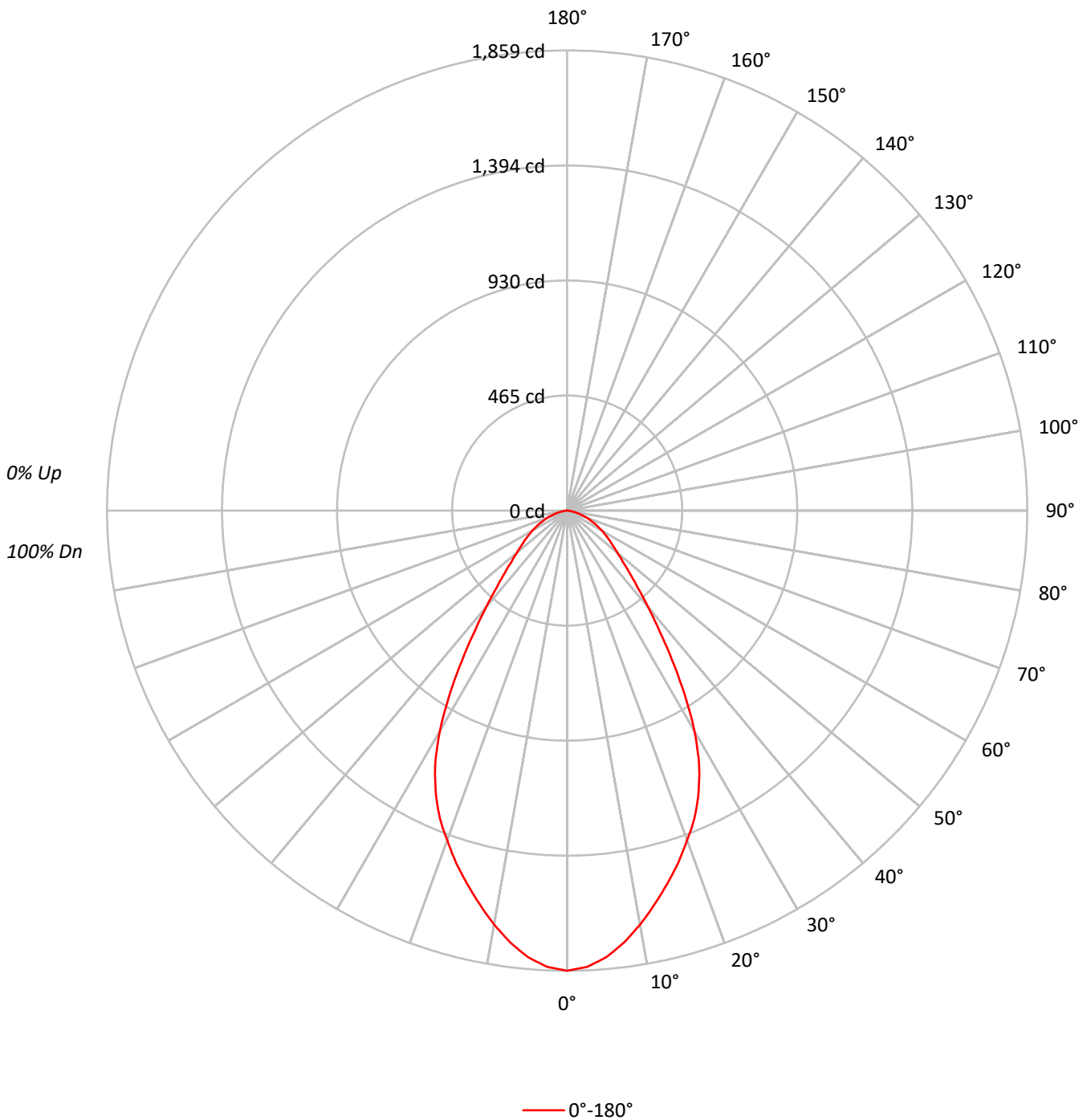
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	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	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50782
5°	49660
10°	47100
15°	44146
20°	41193
25°	37888
30°	32459
35°	24713
40°	18150
45°	13752
50°	11261
55°	9906
60°	8850
65°	7756
70°	6629
75°	5171
80°	3461
85°	1567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	7.4
10°-20°	438.2	19.1
20°-30°	571.1	24.9
30°-40°	465.6	20.3
40°-50°	281.9	12.3
50°-60°	187.2	8.2
60°-70°	119.7	5.2
70°-80°	53.1	2.3
80°-90°	7.9	0.3
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°	1178.6	51.4
0°-40°	1644.2	71.7
0°-60°	2113.3	92.1
0°-90°	2294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2294.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1859	
5°	1811	169
15°	1561	438
25°	1257	571
35°	741	466
45°	356	282
55°	208	187
65°	120	120
75°	49	53
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1859.1
2.5°	1845.1
5°	1811.1
7.5°	1760.1
10°	1698.1
12.5°	1630.1
15°	1561.1
17.5°	1492.1
20°	1417.1
22.5°	1345.1
25°	1257.1
27.5°	1155.1
30°	1029.1
32.5°	885.1
35°	741.1
37.5°	611.0
40°	509.0
42.5°	422.0
45°	356.0
47.5°	304.0
50°	265.0
52.5°	233.0
55°	208.0
57.5°	184.0
60°	162.0
62.5°	141.0
65°	120.0
67.5°	101.0
70°	83.0
72.5°	65.0
75°	49.0
77.5°	35.0
80°	22.0
82.5°	12.0
85°	5.0
87.5°	1.0
90°	0.0

(END OF REPORT)