

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: P365486

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2196.0 lumens
Efficiency: N/A
Efficacy: 81.3 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

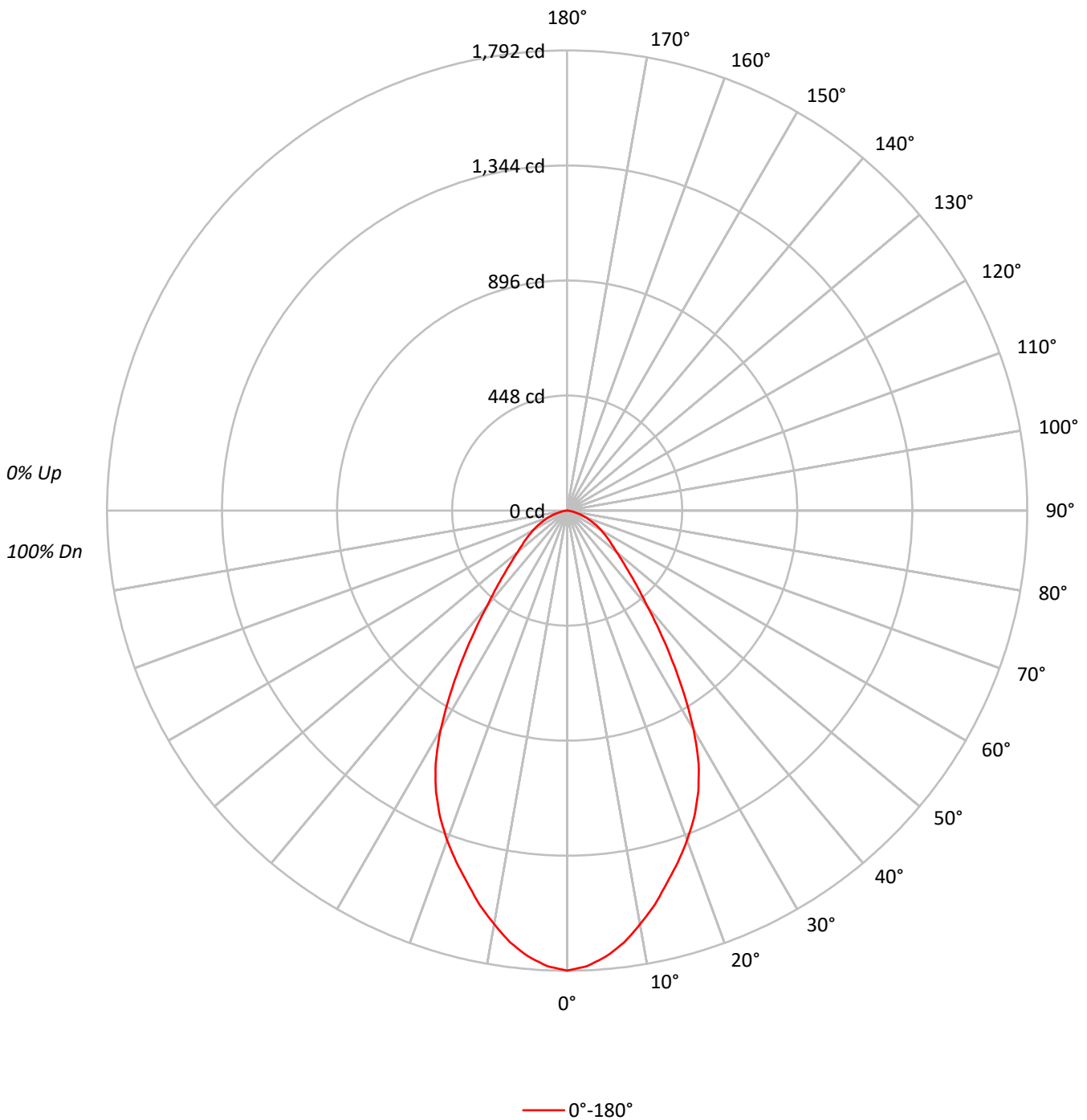
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48935
5°	47792
10°	45374
15°	42432
20°	39710
25°	36423
30°	31074
35°	23789
40°	17294
45°	13192
50°	10692
55°	9382
60°	8337
65°	7252
70°	6134
75°	4802
80°	3178
85°	1254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.0	7.4
10°-20°	421.9	19.2
20°-30°	548.6	25.0
30°-40°	447.1	20.4
40°-50°	270.0	12.3
50°-60°	177.3	8.1
60°-70°	112.0	5.1
70°-80°	48.9	2.2
80°-90°	7.1	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°	1133.6	51.6
0°-40°	1580.7	72.0
0°-60°	2027.9	92.3
0°-90°	2196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2196.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1792	
5°	1743	163
15°	1500	422
25°	1208	549
35°	713	447
45°	342	270
55°	197	177
65°	112	112
75°	46	49
85°	4	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1791.5
2.5°	1775.4
5°	1743.0
7.5°	1696.5
10°	1635.9
12.5°	1573.3
15°	1500.5
17.5°	1434.8
20°	1366.1
22.5°	1292.4
25°	1208.5
27.5°	1108.5
30°	985.2
32.5°	847.8
35°	713.4
37.5°	590.1
40°	485.0
42.5°	406.2
45°	341.5
47.5°	291.0
50°	251.6
52.5°	221.3
55°	197.0
57.5°	173.8
60°	152.6
62.5°	132.4
65°	112.2
67.5°	94.0
70°	76.8
72.5°	60.6
75°	45.5
77.5°	31.3
80°	20.2
82.5°	11.1
85°	4.0
87.5°	1.0
90°	0.0

(END OF REPORT)