

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: P365502

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365502
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-FEU6B35-8050-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: 2374.0 lumens
Efficiency: N/A
Efficacy: 87.9 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

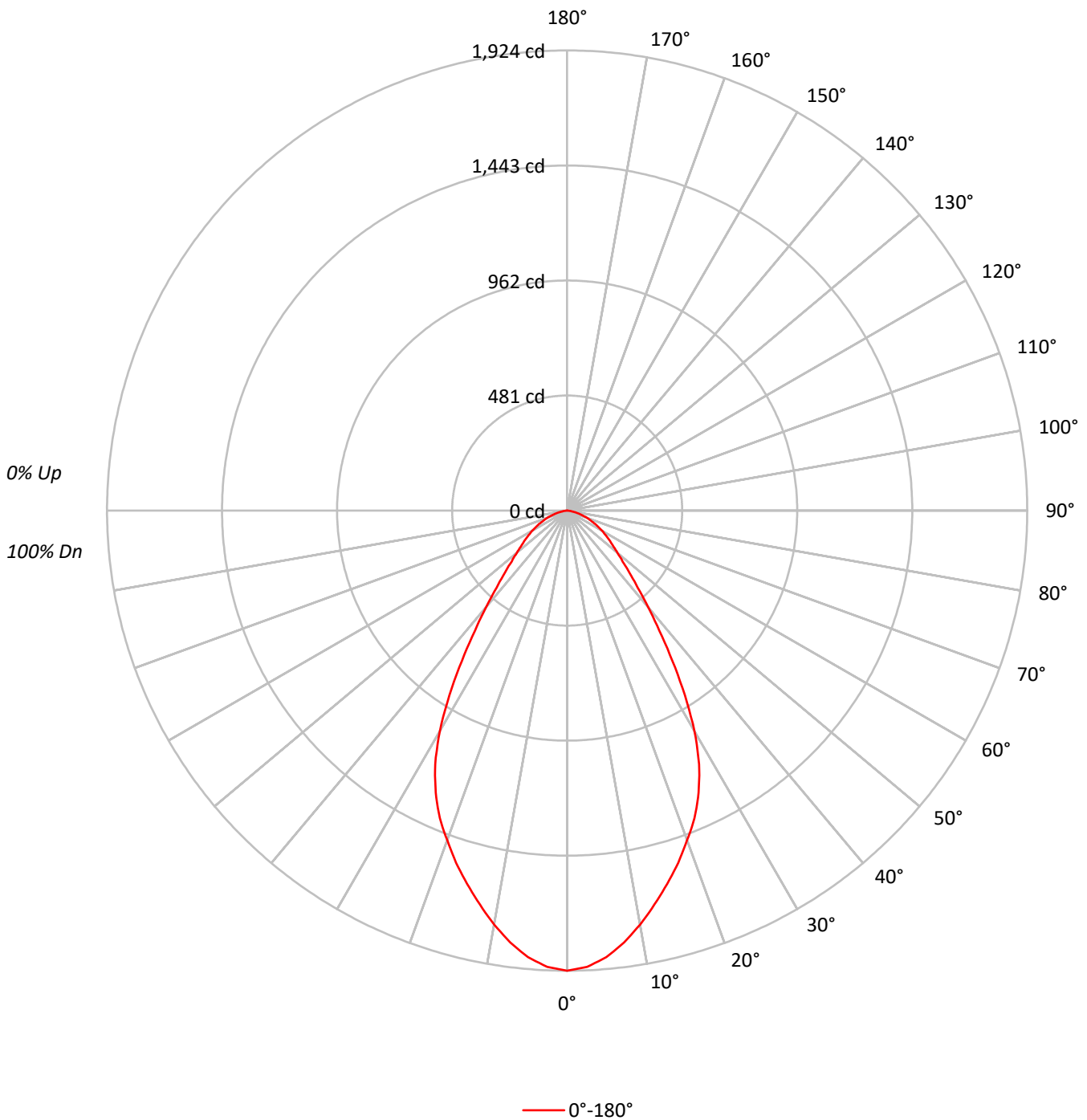
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	52555
5°	51393
10°	48742
15°	45687
20°	42629
25°	39208
30°	33591
35°	25573
40°	18784
45°	14231
50°	11656
55°	10253
60°	9162
65°	8027
70°	6860
75°	5351
80°	3586
85°	1630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	7.4
10°-20°	453.5	19.1
20°-30°	591.0	24.9
30°-40°	481.9	20.3
40°-50°	291.7	12.3
50°-60°	193.7	8.2
60°-70°	123.9	5.2
70°-80°	54.9	2.3
80°-90°	8.2	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°	1219.7	51.4
0°-40°	1701.6	71.7
0°-60°	2187.0	92.1
0°-90°	2374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2374.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1924	
5°	1874	175
15°	1616	454
25°	1301	591
35°	767	482
45°	368	292
55°	215	194
65°	124	124
75°	51	55
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1924.0
2.5°	1909.5
5°	1874.3
7.5°	1821.5
10°	1757.3
12.5°	1687.0
15°	1615.6
17.5°	1544.1
20°	1466.5
22.5°	1392.0
25°	1300.9
27.5°	1195.4
30°	1065.0
32.5°	915.9
35°	766.9
37.5°	632.4
40°	526.8
42.5°	436.7
45°	368.4
47.5°	314.6
50°	274.3
52.5°	241.1
55°	215.3
57.5°	190.4
60°	167.7
62.5°	145.9
65°	124.2
67.5°	104.5
70°	85.9
72.5°	67.3
75°	50.7
77.5°	36.2
80°	22.8
82.5°	12.4
85°	5.2
87.5°	1.0
90°	0.0

(END OF REPORT)