

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: P365470

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
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-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2423.0 lumens
Efficiency: N/A
Efficacy: 89.7 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

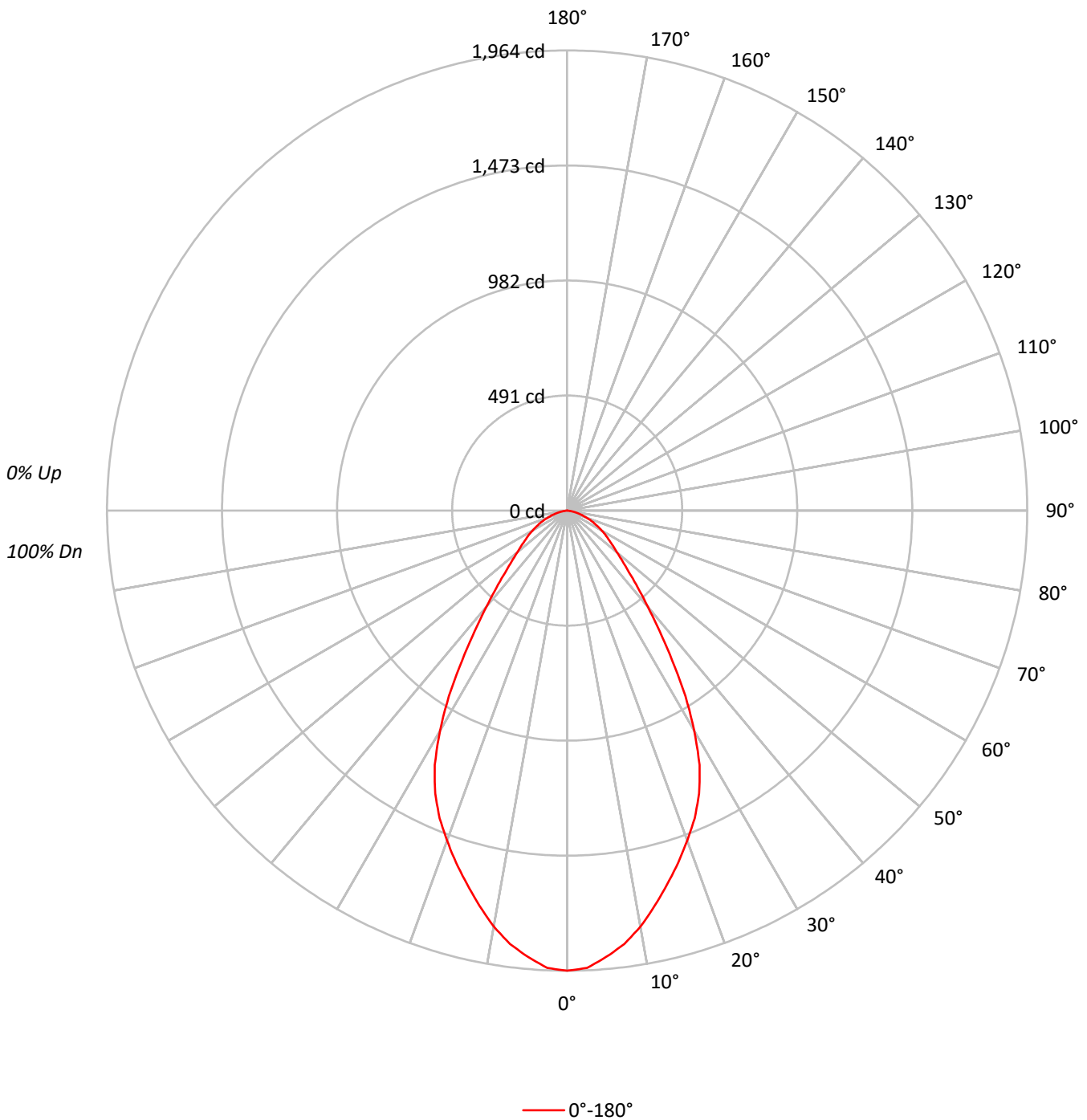
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	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	78	68	62	57	67	61	56	65	60	56	64	59	55	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	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°	53636
5°	52443
10°	49995
15°	46674
20°	43556
25°	40157
30°	34200
35°	26016
40°	19048
45°	14490
50°	11775
55°	10339
60°	9293
65°	8208
70°	6948
75°	5488
80°	3775
85°	1567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	7.4
10°-20°	463.6	19.1
20°-30°	604.2	24.9
30°-40°	491.9	20.3
40°-50°	296.6	12.2
50°-60°	196.7	8.1
60°-70°	126.2	5.2
70°-80°	56.2	2.3
80°-90°	8.4	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°	1247.0	51.5
0°-40°	1738.9	71.8
0°-60°	2232.2	92.1
0°-90°	2423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2423.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1964	
5°	1913	179
15°	1650	464
25°	1332	604
35°	780	492
45°	375	297
55°	217	197
65°	127	126
75°	52	56
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1963.6
2.5°	1953.6
5°	1912.6
7.5°	1865.6
10°	1802.5
12.5°	1727.5
15°	1650.5
17.5°	1575.5
20°	1498.4
22.5°	1421.4
25°	1332.4
27.5°	1223.4
30°	1084.3
32.5°	939.3
35°	780.2
37.5°	647.2
40°	534.2
42.5°	445.1
45°	375.1
47.5°	320.1
50°	277.1
52.5°	246.1
55°	217.1
57.5°	194.1
60°	170.1
62.5°	148.0
65°	127.0
67.5°	107.0
70°	87.0
72.5°	69.0
75°	52.0
77.5°	37.0
80°	24.0
82.5°	13.0
85°	5.0
87.5°	1.0
90°	0.0

(END OF REPORT)