

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: P364878

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3367.0 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

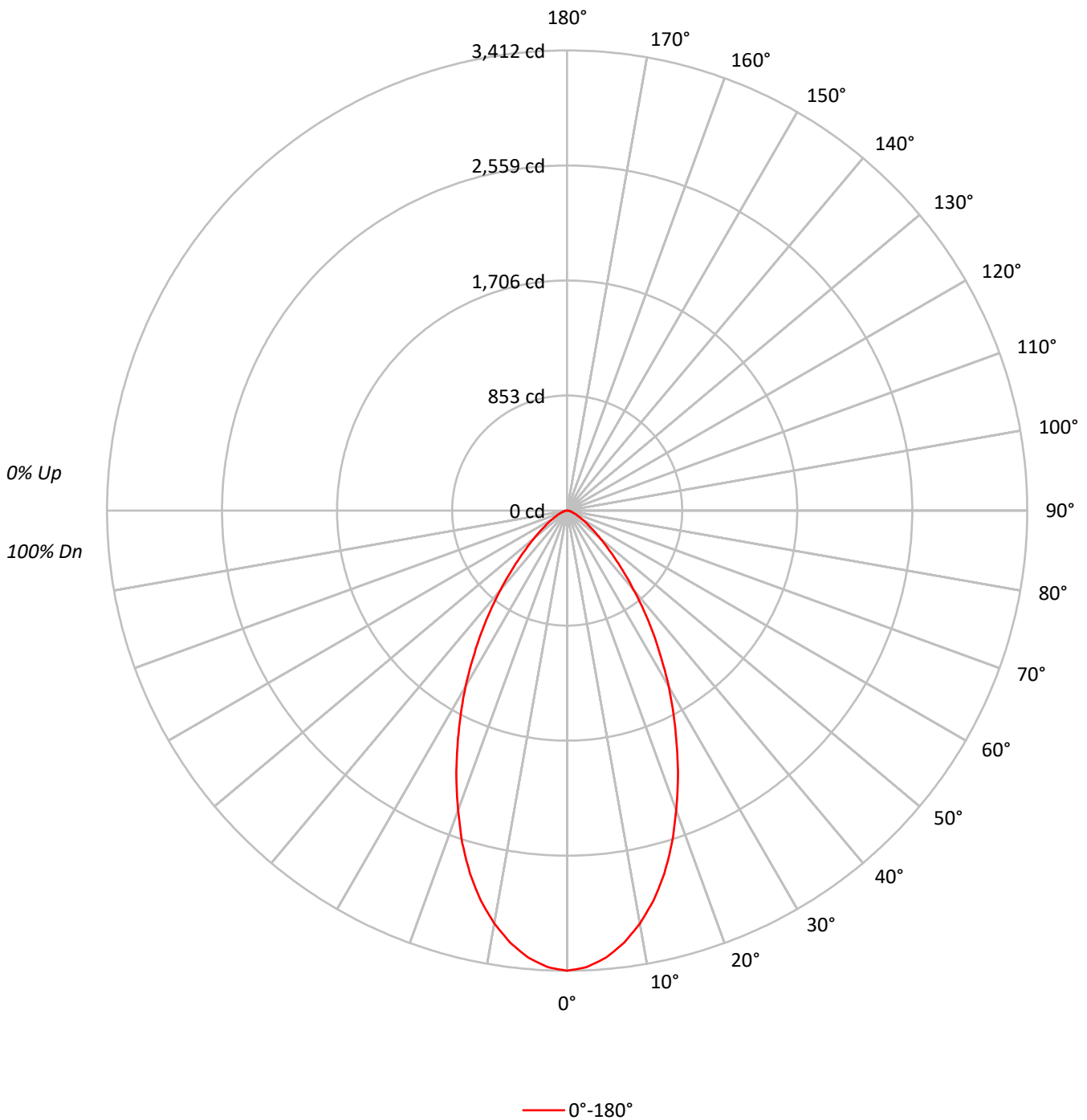
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	244306
5°	239079
10°	225986
15°	206371
20°	180008
25°	151956
30°	124522
35°	97339
40°	71747
45°	50488
50°	35623
55°	25229
60°	17900
65°	13300
70°	10342
75°	8438
80°	7793
85°	8380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.6	9.2
10°-20°	773.3	23.0
20°-30°	881.0	26.2
30°-40°	695.4	20.7
40°-50°	395.2	11.7
50°-60°	186.5	5.5
60°-70°	80.7	2.4
70°-80°	33.5	1.0
80°-90°	10.9	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°	1964.9	58.4
0°-40°	2660.2	79.0
0°-60°	3241.9	96.3
0°-90°	3367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3367.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3412	
5°	3326	311
15°	2784	773
25°	1923	881
35°	1114	695
45°	499	395
55°	202	186
65°	78	81
75°	30	34
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3412.0
2.5°	3387.3
5°	3326.3
7.5°	3231.8
10°	3108.2
12.5°	2959.9
15°	2784.0
17.5°	2584.8
20°	2362.4
22.5°	2147.2
25°	1923.4
27.5°	1709.7
30°	1506.1
32.5°	1299.7
35°	1113.6
37.5°	934.8
40°	767.6
42.5°	625.1
45°	498.6
47.5°	398.3
50°	319.8
52.5°	254.4
55°	202.1
57.5°	159.9
60°	125.0
62.5°	98.9
65°	78.5
67.5°	62.5
70°	49.4
72.5°	39.3
75°	30.5
77.5°	23.3
80°	18.9
82.5°	14.5
85°	10.2
87.5°	5.8
90°	0.0

(END OF REPORT)