

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: P364824

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364824
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-FEU6B35-8030-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: 3189.0 lumens
Efficiency: N/A
Efficacy: 78.5 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

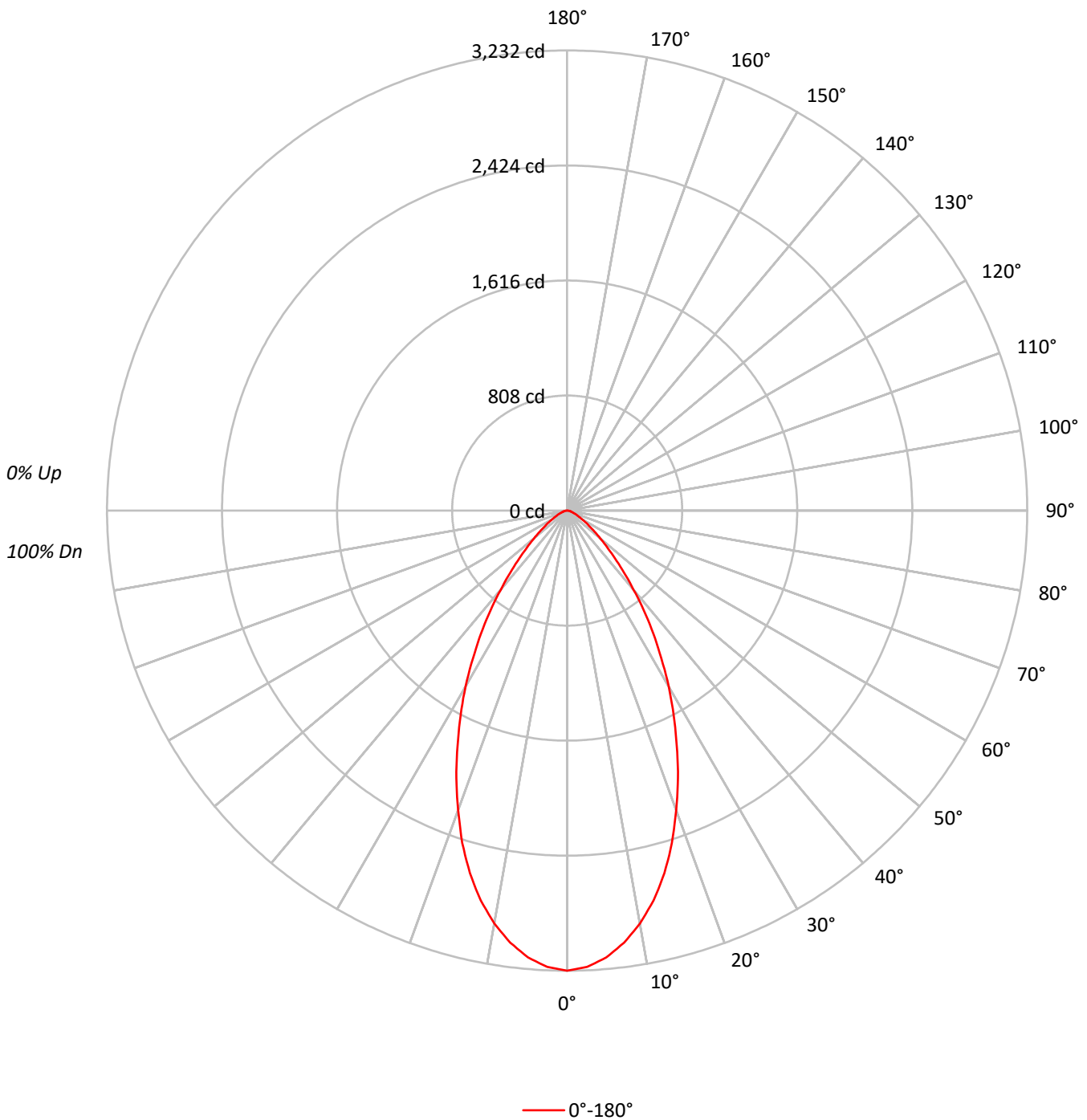
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	231396
5°	226436
10°	214040
15°	195460
20°	170491
25°	143921
30°	117941
35°	92191
40°	67952
45°	47825
50°	33741
55°	23893
60°	16955
65°	12605
70°	9798
75°	7995
80°	7381
85°	7887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.2	9.2
10°-20°	732.4	23.0
20°-30°	834.4	26.2
30°-40°	658.6	20.7
40°-50°	374.3	11.7
50°-60°	176.6	5.5
60°-70°	76.4	2.4
70°-80°	31.7	1.0
80°-90°	10.3	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°	1861.0	58.4
0°-40°	2519.6	79.0
0°-60°	3070.5	96.3
0°-90°	3189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3189.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3232	
5°	3150	294
15°	2637	732
25°	1822	834
35°	1055	659
45°	472	374
55°	191	177
65°	74	76
75°	29	32
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3231.7
2.5°	3208.2
5°	3150.4
7.5°	3060.9
10°	2943.9
12.5°	2803.4
15°	2636.8
17.5°	2448.2
20°	2237.5
22.5°	2033.7
25°	1821.7
27.5°	1619.3
30°	1426.5
32.5°	1231.0
35°	1054.7
37.5°	885.4
40°	727.0
42.5°	592.1
45°	472.3
47.5°	377.3
50°	302.9
52.5°	241.0
55°	191.4
57.5°	151.5
60°	118.4
62.5°	93.6
65°	74.4
67.5°	59.2
70°	46.8
72.5°	37.2
75°	28.9
77.5°	22.0
80°	17.9
82.5°	13.8
85°	9.6
87.5°	5.5
90°	0.0

(END OF REPORT)