

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: P364865

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-LI-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3088.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

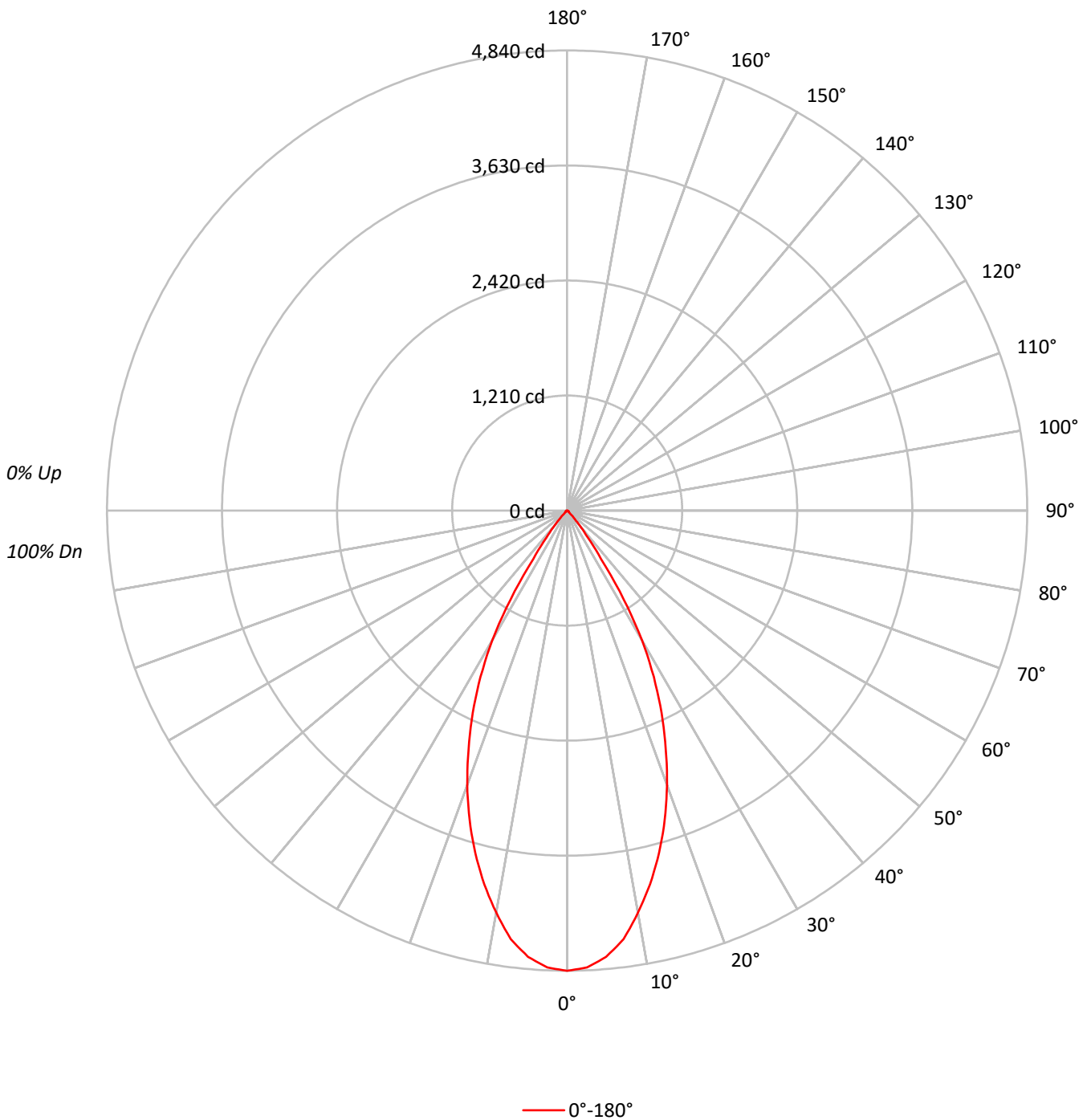
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	346589
5°	338691
10°	312238
15°	276548
20°	234138
25°	185493
30°	130351
35°	54290
40°	18628
45°	4972
50°	2740
55°	2559
60°	2349
65°	2321
70°	2282
75°	2656
80°	3381
85°	5586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.7	14.1
10°-20°	1035.0	33.5
20°-30°	1062.5	34.4
30°-40°	449.9	14.6
40°-50°	55.3	1.8
50°-60°	18.3	0.6
60°-70°	13.5	0.4
70°-80°	10.5	0.3
80°-90°	6.3	0.2
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°	2534.2	82.1
0°-40°	2984.1	96.6
0°-60°	3057.7	99.0
0°-90°	3088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3088.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4840	
5°	4712	437
15°	3731	1035
25°	2348	1062
35°	621	450
45°	49	55
55°	20	18
65°	14	14
75°	10	10
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4840.5
2.5°	4809.1
5°	4712.2
7.5°	4545.7
10°	4294.5
12.5°	4026.9
15°	3730.7
17.5°	3412.7
20°	3072.8
22.5°	2711.0
25°	2347.9
27.5°	1972.5
30°	1576.6
32.5°	1111.2
35°	621.1
37.5°	356.3
40°	199.3
42.5°	105.1
45°	49.1
47.5°	28.7
50°	24.6
52.5°	21.8
55°	20.5
57.5°	19.1
60°	16.4
62.5°	15.0
65°	13.7
67.5°	12.3
70°	10.9
72.5°	10.9
75°	9.6
77.5°	9.6
80°	8.2
82.5°	8.2
85°	6.8
87.5°	4.1
90°	0.0

(END OF REPORT)