

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: P366318

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3294.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

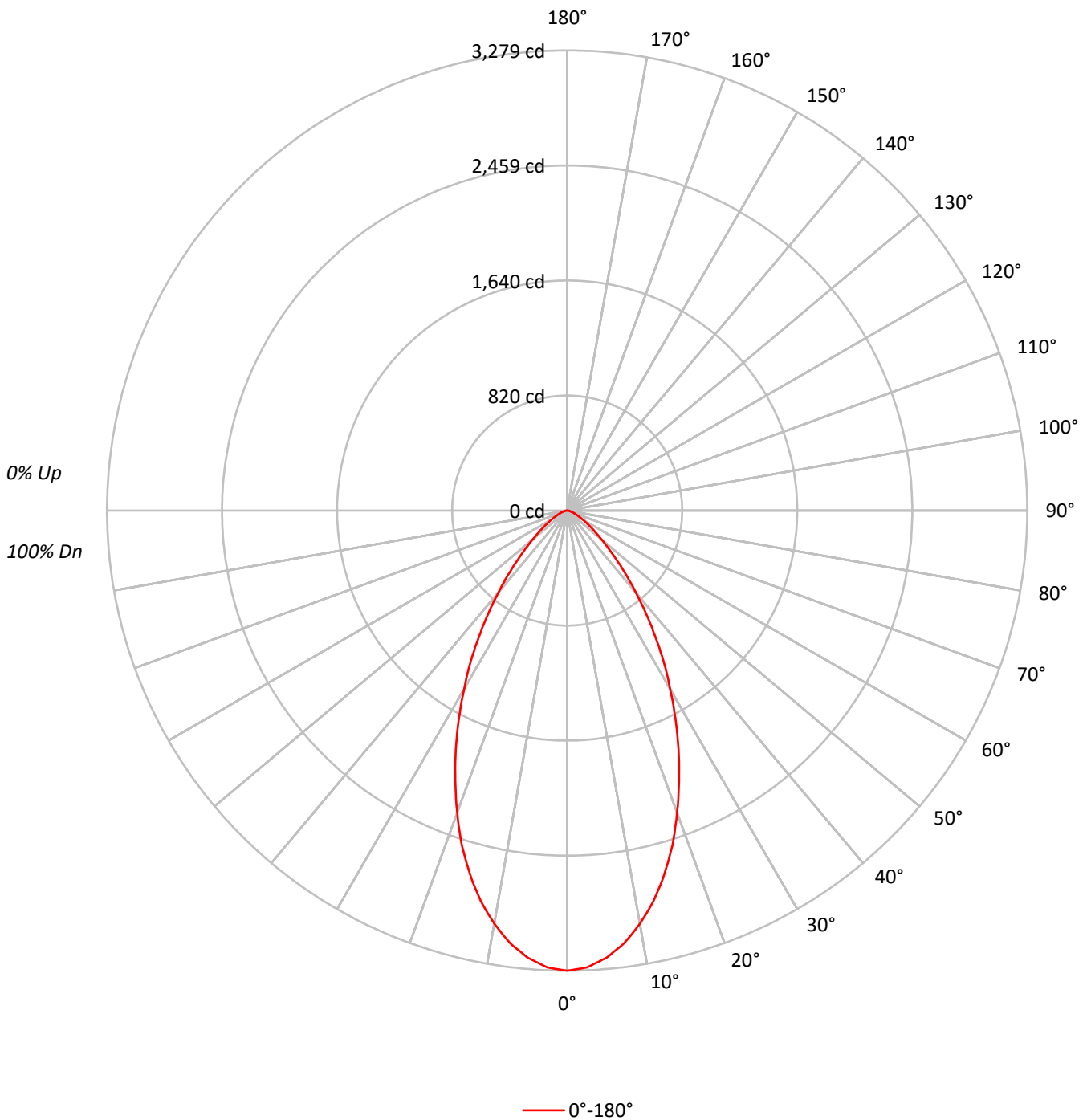
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	234768
5°	229915
10°	217356
15°	198662
20°	174529
25°	148346
30°	121364
35°	95530
40°	71186
45°	50478
50°	35612
55°	25578
60°	18316
65°	13300
70°	10342
75°	8438
80°	7175
85°	7147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.8	9.1
10°-20°	745.7	22.6
20°-30°	857.8	26.0
30°-40°	684.5	20.8
40°-50°	394.6	12.0
50°-60°	188.1	5.7
60°-70°	81.4	2.5
70°-80°	33.3	1.0
80°-90°	9.9	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°	1902.3	57.8
0°-40°	2586.8	78.5
0°-60°	3169.4	96.2
0°-90°	3294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3294.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3279	
5°	3199	299
15°	2680	746
25°	1878	858
35°	1093	684
45°	498	395
55°	205	188
65°	78	81
75°	30	33
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3278.8
2.5°	3258.4
5°	3198.8
7.5°	3110.2
10°	2989.5
12.5°	2848.6
15°	2680.0
17.5°	2496.9
20°	2290.5
22.5°	2082.7
25°	1877.7
27.5°	1669.9
30°	1467.9
32.5°	1283.3
35°	1092.9
37.5°	922.9
40°	761.6
42.5°	623.5
45°	498.5
47.5°	399.7
50°	319.7
52.5°	255.8
55°	204.9
57.5°	161.3
60°	127.9
62.5°	100.3
65°	78.5
67.5°	62.5
70°	49.4
72.5°	39.2
75°	30.5
77.5°	23.3
80°	17.4
82.5°	13.1
85°	8.7
87.5°	5.8
90°	0.0

(END OF REPORT)