

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: P366284

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3017.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

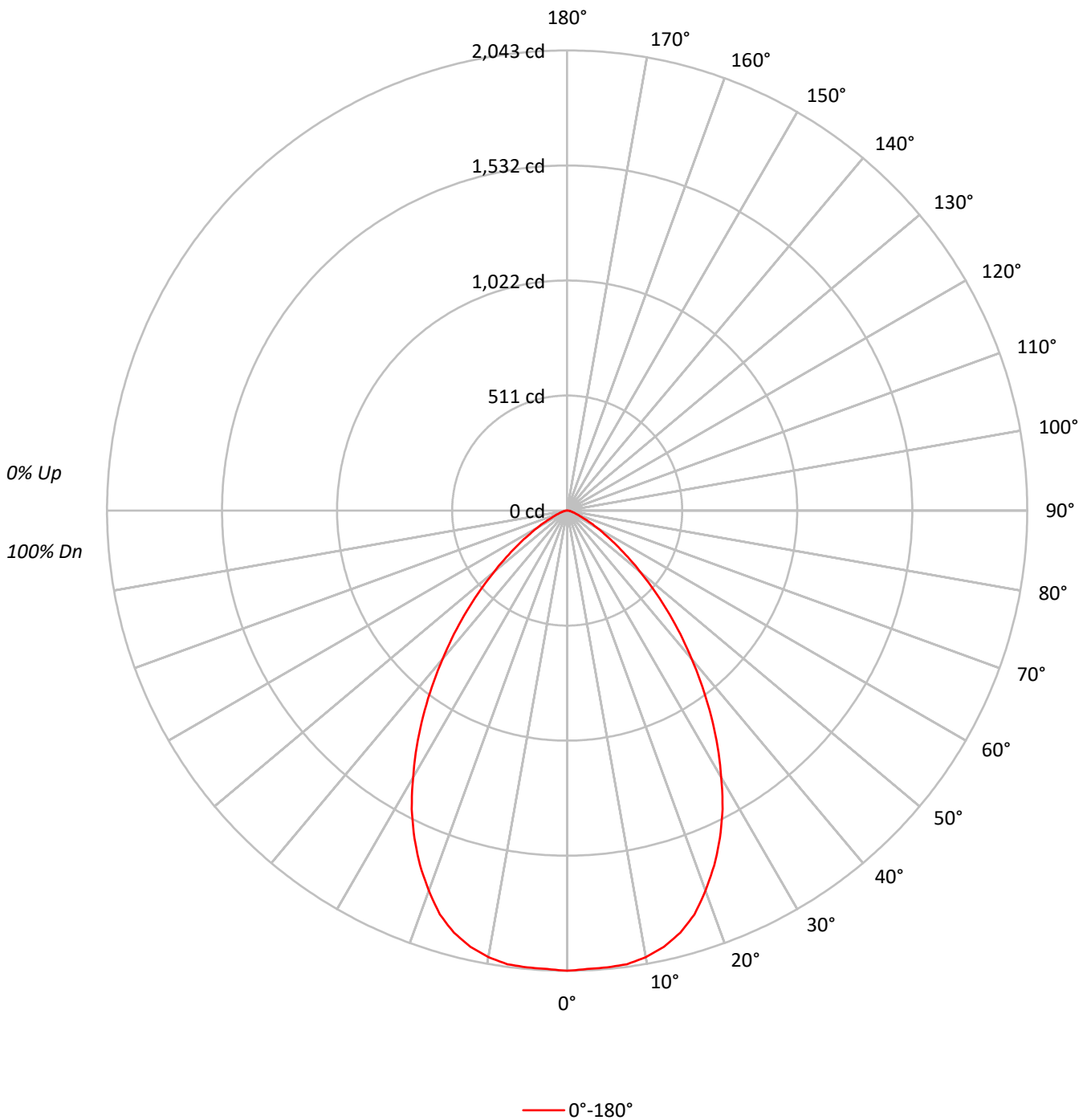
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146261
5°	146317
10°	146373
15°	143823
20°	136812
25°	126754
30°	113138
35°	97383
40°	80365
45°	63591
50°	47264
55°	33318
60°	22125
65°	13571
70°	8814
75°	6612
80°	5773
85°	6901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.7	6.4
10°-20°	543.2	18.0
20°-30°	733.3	24.3
30°-40°	693.9	23.0
40°-50°	486.3	16.1
50°-60°	244.7	8.1
60°-70°	86.4	2.9
70°-80°	27.0	0.9
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°	1470.2	48.7
0°-40°	2164.1	71.7
0°-60°	2895.1	96.0
0°-90°	3017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3017.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2043	
5°	2036	194
15°	1940	543
25°	1604	733
35°	1114	694
45°	628	486
55°	267	245
65°	80	86
75°	24	27
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2042.7
2.5°	2037.1
5°	2035.7
7.5°	2031.5
10°	2013.2
12.5°	1983.7
15°	1940.2
17.5°	1879.8
20°	1795.5
22.5°	1705.6
25°	1604.4
27.5°	1494.8
30°	1368.4
32.5°	1243.4
35°	1114.1
37.5°	986.3
40°	859.8
42.5°	743.2
45°	628.0
47.5°	522.6
50°	424.3
52.5°	340.0
55°	266.9
57.5°	205.1
60°	154.5
62.5°	113.8
65°	80.1
67.5°	59.0
70°	42.1
72.5°	32.3
75°	23.9
77.5°	18.3
80°	14.0
82.5°	11.2
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)