

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: P365532

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2292.0 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

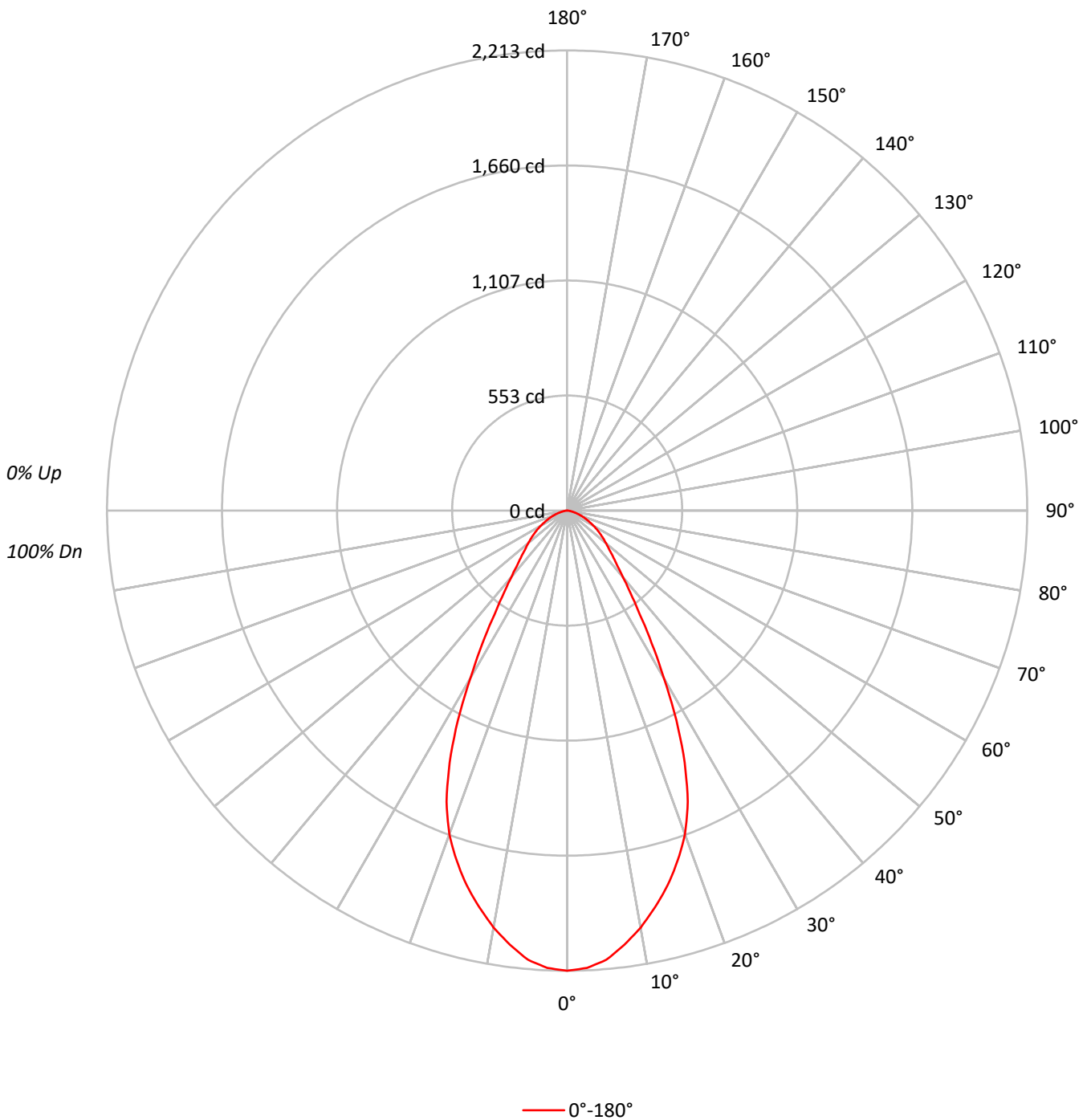
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158448
5°	155833
10°	148052
15°	138345
20°	126236
25°	105684
30°	76933
35°	53224
40°	38930
45°	31360
50°	27158
55°	24018
60°	20951
65°	17857
70°	14634
75°	10928
80°	7628
85°	6490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.5	8.8
10°-20°	521.2	22.7
20°-30°	601.7	26.3
30°-40°	392.4	17.1
40°-50°	243.5	10.6
50°-60°	173.0	7.5
60°-70°	105.2	4.6
70°-80°	43.5	1.9
80°-90°	9.0	0.4
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°	1325.4	57.8
0°-40°	1717.8	74.9
0°-60°	2134.3	93.1
0°-90°	2292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2292.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2213	
5°	2168	203
15°	1866	521
25°	1338	602
35°	609	392
45°	310	244
55°	192	173
65°	105	105
75°	40	44
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2212.9
2.5°	2201.0
5°	2168.1
7.5°	2106.1
10°	2036.3
12.5°	1953.2
15°	1866.3
17.5°	1766.1
20°	1656.7
22.5°	1515.7
25°	1337.7
27.5°	1138.7
30°	930.5
32.5°	756.5
35°	608.9
37.5°	499.5
40°	416.5
42.5°	354.5
45°	309.7
47.5°	272.8
50°	243.8
52.5°	217.5
55°	192.4
57.5°	170.0
60°	146.3
62.5°	125.2
65°	105.4
67.5°	87.0
70°	69.9
72.5°	54.0
75°	39.5
77.5°	27.7
80°	18.5
82.5°	11.9
85°	7.9
87.5°	4.0
90°	0.0

(END OF REPORT)