

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: P365600

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
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-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2346.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

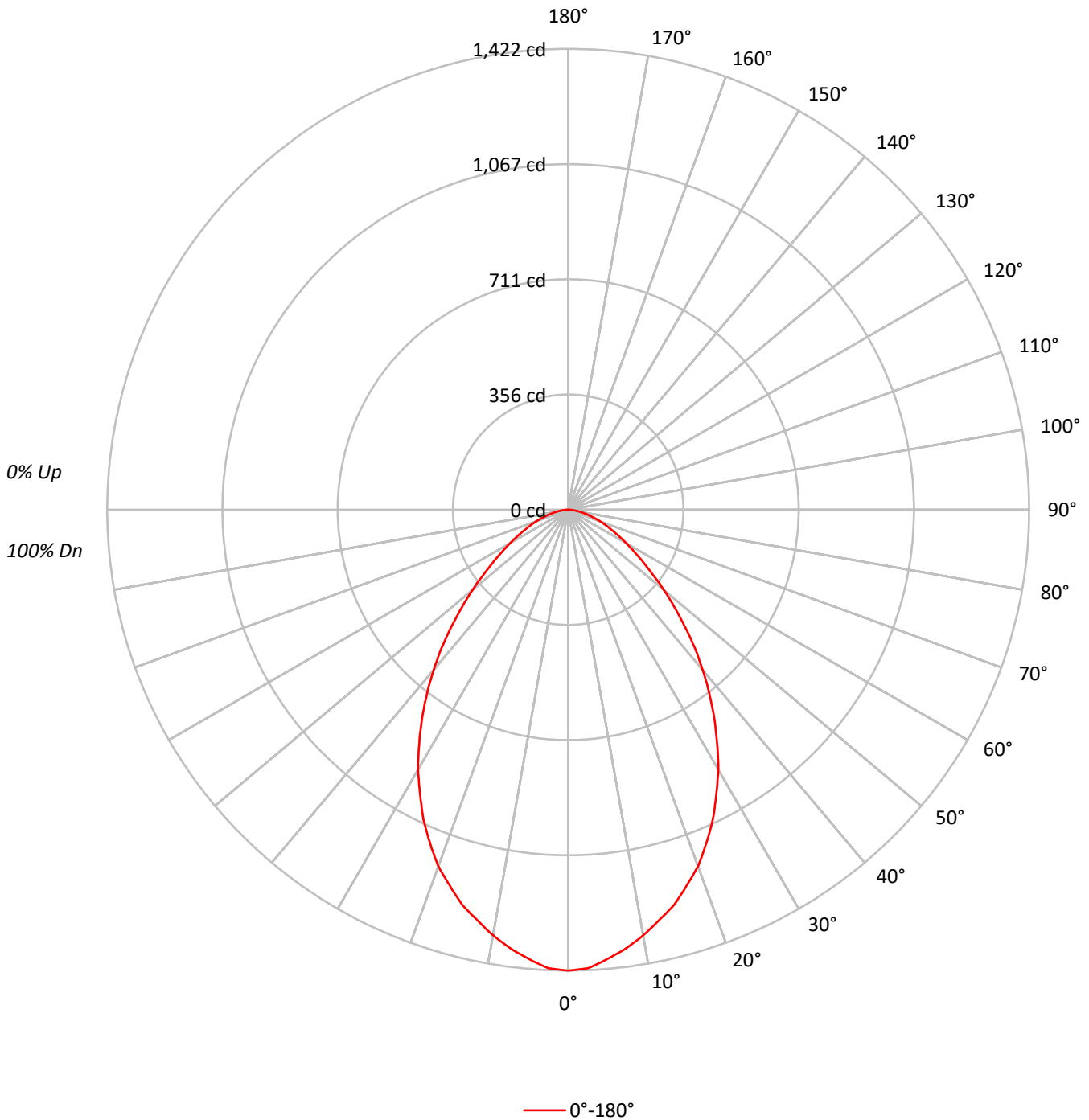
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101839
5°	100029
10°	96961
15°	93571
20°	89204
25°	83412
30°	76594
35°	68643
40°	60353
45°	51390
50°	42931
55°	35216
60°	29572
65°	25126
70°	21919
75°	18508
80°	15009
85°	11912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	5.6
10°-20°	353.9	15.1
20°-30°	483.5	20.6
30°-40°	490.0	20.9
40°-50°	392.9	16.7
50°-60°	256.0	10.9
60°-70°	149.5	6.4
70°-80°	71.8	3.1
80°-90°	17.2	0.7
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°	968.5	41.3
0°-40°	1458.5	62.2
0°-60°	2107.5	89.8
0°-90°	2346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2346.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1422	
5°	1392	131
15°	1262	354
25°	1056	484
35°	785	490
45°	508	393
55°	282	256
65°	148	149
75°	67	72
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1422.3
2.5°	1416.4
5°	1391.7
7.5°	1365.5
10°	1333.6
12.5°	1297.2
15°	1262.3
17.5°	1215.8
20°	1170.7
22.5°	1114.0
25°	1055.8
27.5°	988.9
30°	926.4
32.5°	855.1
35°	785.3
37.5°	715.5
40°	645.7
42.5°	577.3
45°	507.5
47.5°	443.5
50°	385.4
52.5°	328.7
55°	282.1
57.5°	241.4
60°	206.5
62.5°	176.0
65°	148.3
67.5°	125.1
70°	104.7
72.5°	84.3
75°	66.9
77.5°	50.9
80°	36.4
82.5°	24.7
85°	14.5
87.5°	5.8
90°	0.0

(END OF REPORT)