

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: P365572

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
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-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3610.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

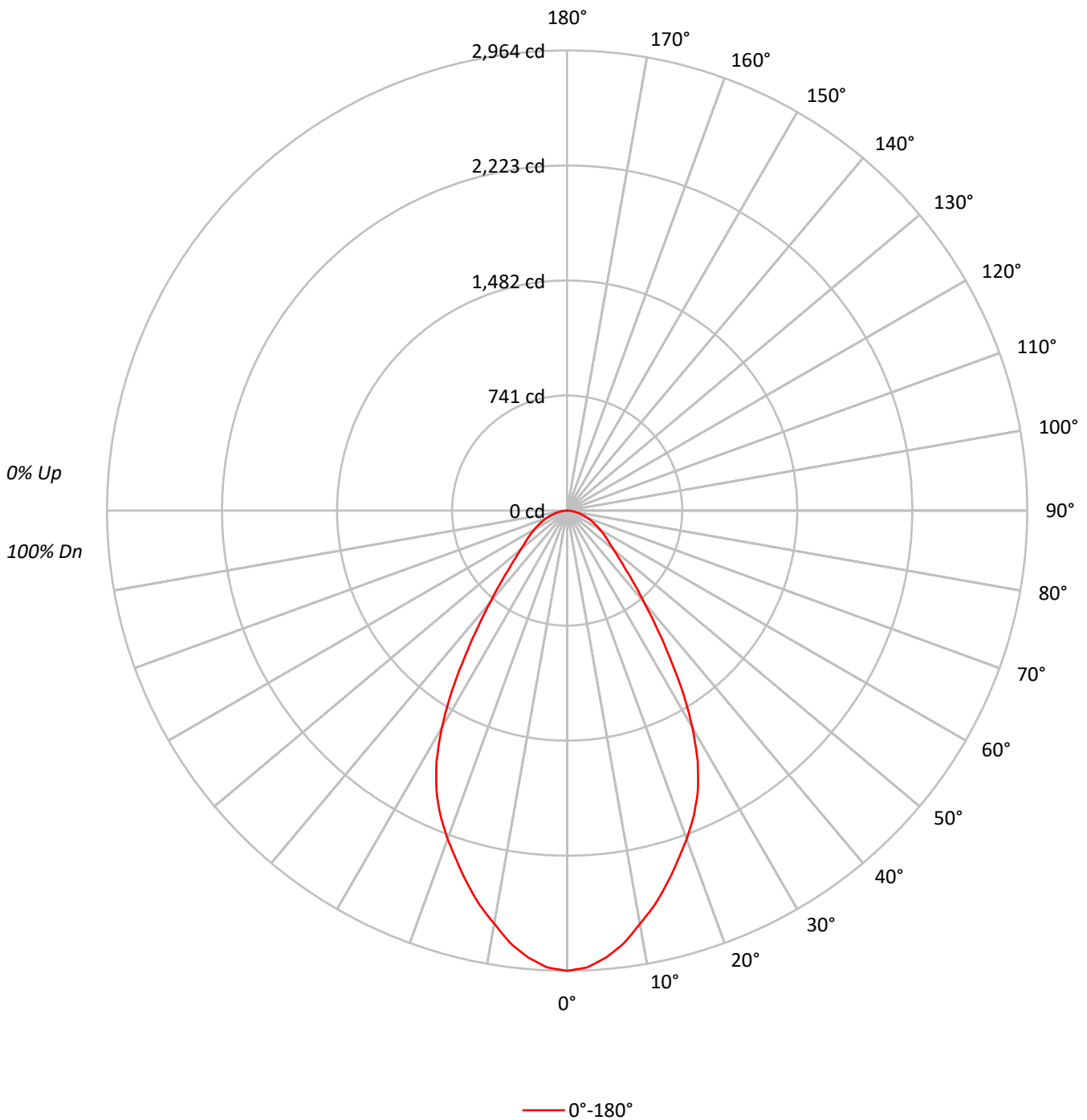
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80973
5°	79226
10°	74956
15°	70313
20°	65412
25°	60046
30°	50882
35°	38221
40°	27424
45°	20516
50°	16535
55°	14668
60°	13330
65°	12216
70°	11181
75°	10237
80°	9124
85°	7522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.9	7.5
10°-20°	697.1	19.3
20°-30°	902.8	25.0
30°-40°	722.6	20.0
40°-50°	421.4	11.7
50°-60°	277.7	7.7
60°-70°	188.4	5.2
70°-80°	103.1	2.9
80°-90°	27.7	0.8
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°	1869.9	51.8
0°-40°	2592.5	71.8
0°-60°	3291.7	91.2
0°-90°	3610.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3610.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2964	
5°	2889	270
15°	2486	697
25°	1992	903
35°	1146	723
45°	531	421
55°	308	278
65°	189	188
75°	97	103
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2964.4
2.5°	2945.4
5°	2889.4
7.5°	2809.4
10°	2702.4
12.5°	2602.4
15°	2486.4
17.5°	2365.3
20°	2250.3
22.5°	2130.3
25°	1992.3
27.5°	1821.3
30°	1613.2
32.5°	1388.2
35°	1146.2
37.5°	943.1
40°	769.1
42.5°	637.1
45°	531.1
47.5°	450.1
50°	389.1
52.5°	343.1
55°	308.0
57.5°	276.0
60°	244.0
62.5°	216.0
65°	189.0
67.5°	165.0
70°	140.0
72.5°	118.0
75°	97.0
77.5°	77.0
80°	58.0
82.5°	40.0
85°	24.0
87.5°	9.0
90°	0.0

(END OF REPORT)