

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: P365536

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365536
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-FEU6B35-8027-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3386.0 lumens
Efficiency: N/A
Efficacy: 83.4 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

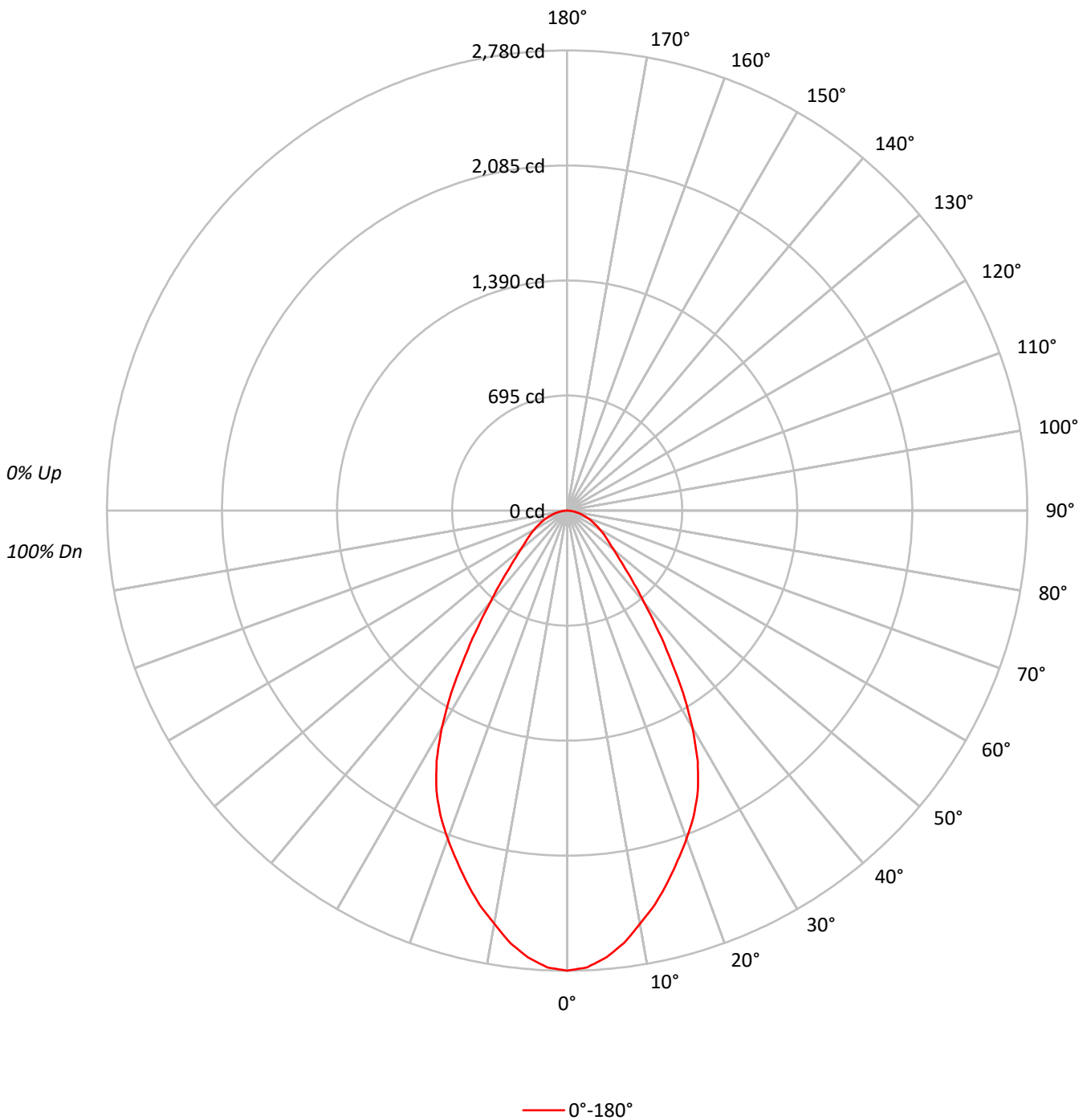
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	75928
5°	74291
10°	70285
15°	65929
20°	61337
25°	56306
30°	47712
35°	35840
40°	25716
45°	19238
50°	15502
55°	13758
60°	12499
65°	11453
70°	10486
75°	9604
80°	8557
85°	7052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	7.5
10°-20°	653.6	19.3
20°-30°	846.6	25.0
30°-40°	677.6	20.0
40°-50°	395.2	11.7
50°-60°	260.4	7.7
60°-70°	176.7	5.2
70°-80°	96.7	2.9
80°-90°	26.0	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°	1753.4	51.8
0°-40°	2431.0	71.8
0°-60°	3086.6	91.2
0°-90°	3386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3386.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2780	
5°	2709	253
15°	2331	654
25°	1868	847
35°	1075	678
45°	498	395
55°	289	260
65°	177	177
75°	91	97
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2779.7
2.5°	2761.9
5°	2709.4
7.5°	2634.4
10°	2534.0
12.5°	2440.2
15°	2331.4
17.5°	2218.0
20°	2110.1
22.5°	1997.6
25°	1868.2
27.5°	1707.8
30°	1512.7
32.5°	1301.7
35°	1074.8
37.5°	884.4
40°	721.2
42.5°	597.4
45°	498.0
47.5°	422.0
50°	364.8
52.5°	321.7
55°	288.9
57.5°	258.8
60°	228.8
62.5°	202.6
65°	177.2
67.5°	154.7
70°	131.3
72.5°	110.7
75°	91.0
77.5°	72.2
80°	54.4
82.5°	37.5
85°	22.5
87.5°	8.4
90°	0.0

(END OF REPORT)