

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: P364799

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
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-LI-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3494.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

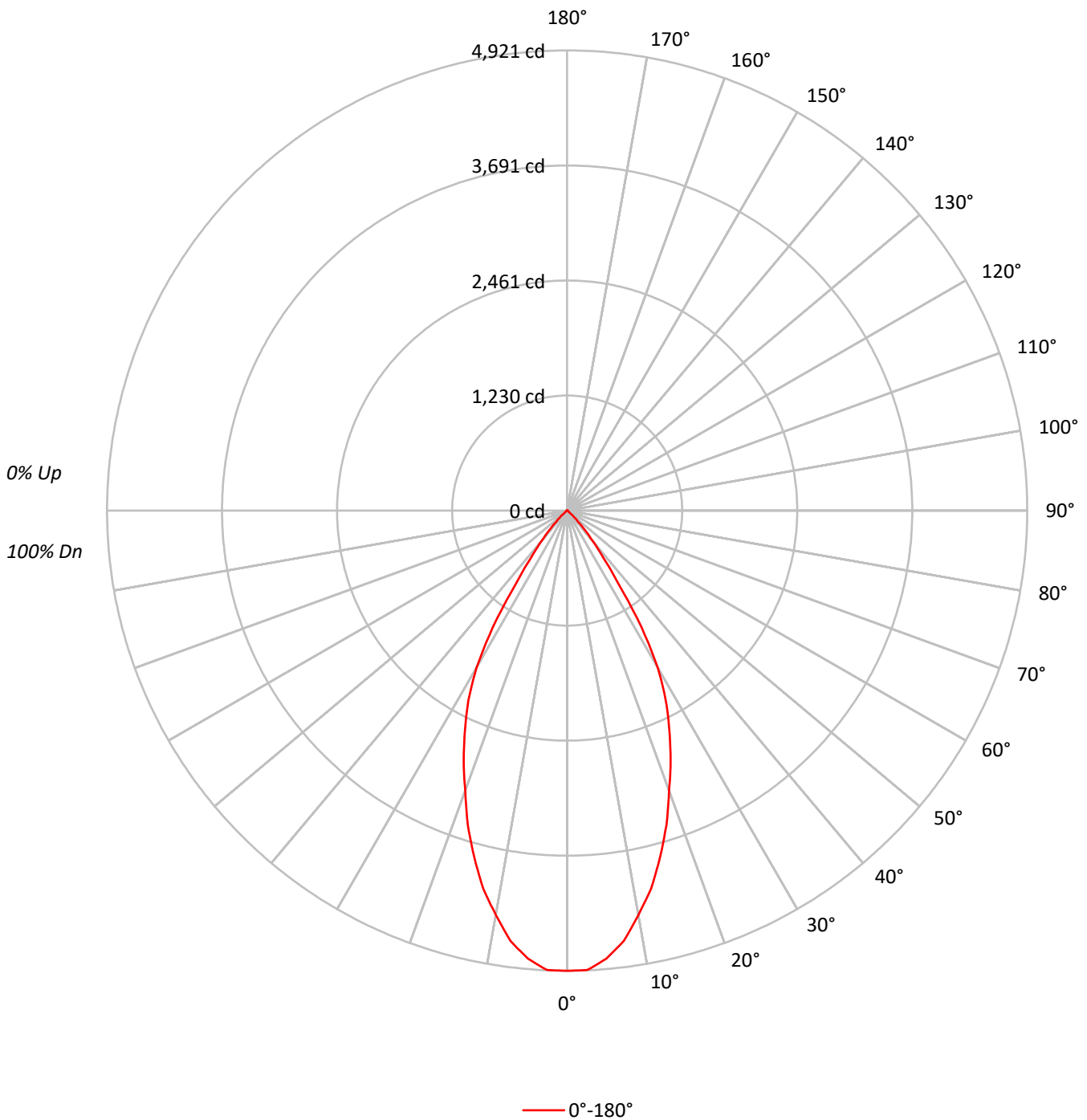
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134429
5°	131872
10°	121781
15°	108520
20°	92678
25°	77834
30°	61101
35°	31662
40°	15122
45°	5953
50°	1568
55°	438
60°	290
65°	259
70°	208
75°	274
80°	204
85°	407



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.0	12.8
10°-20°	1066.5	30.5
20°-30°	1177.6	33.7
30°-40°	648.0	18.5
40°-50°	137.0	3.9
50°-60°	11.6	0.3
60°-70°	3.6	0.1
70°-80°	2.6	0.1
80°-90°	1.2	0.0
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°	2690.1	77.0
0°-40°	3338.0	95.5
0°-60°	3486.6	99.8
0°-90°	3494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3494.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4921	
5°	4809	446
15°	3838	1067
25°	2582	1178
35°	950	648
45°	154	137
55°	9	12
65°	4	4
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4921.4
2.5°	4918.7
5°	4809.4
7.5°	4640.9
10°	4390.6
12.5°	4141.7
15°	3837.5
17.5°	3528.1
20°	3188.3
22.5°	2890.7
25°	2582.5
27.5°	2284.9
30°	1937.2
32.5°	1478.9
35°	949.5
37.5°	640.0
40°	424.1
42.5°	264.7
45°	154.1
47.5°	79.0
50°	36.9
52.5°	15.8
55°	9.2
57.5°	6.6
60°	5.3
62.5°	4.0
65°	4.0
67.5°	2.6
70°	2.6
72.5°	4.0
75°	2.6
77.5°	1.3
80°	1.3
82.5°	1.3
85°	1.3
87.5°	1.3
90°	0.0

(END OF REPORT)