

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: P364807

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
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-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2904.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

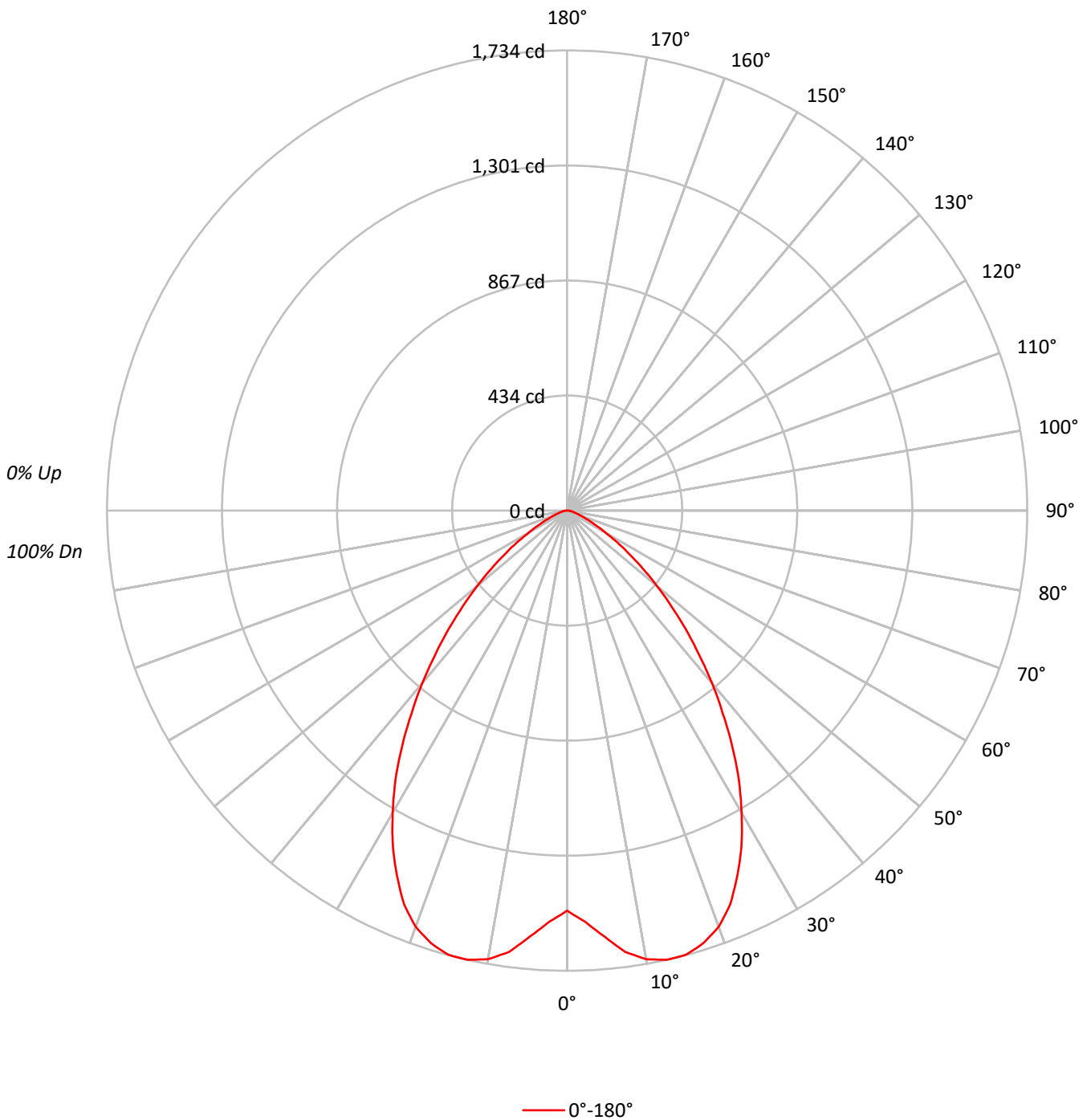
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107925
5°	115813
10°	124815
15°	128426
20°	127196
25°	119920
30°	108731
35°	94822
40°	79487
45°	63986
50°	49269
55°	35827
60°	24316
65°	16061
70°	10467
75°	8023
80°	7051
85°	8626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	5.4
10°-20°	486.0	16.7
20°-30°	694.0	23.9
30°-40°	675.2	23.2
40°-50°	488.4	16.8
50°-60°	261.8	9.0
60°-70°	98.7	3.4
70°-80°	32.4	1.1
80°-90°	10.2	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°	1337.3	46.1
0°-40°	2012.5	69.3
0°-60°	2762.7	95.1
0°-90°	2904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2904.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1507	
5°	1611	157
15°	1732	486
25°	1518	694
35°	1085	675
45°	632	488
55°	287	262
65°	95	99
75°	29	32
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1507.3
2.5°	1550.8
5°	1611.3
7.5°	1677.2
10°	1716.7
12.5°	1733.8
15°	1732.5
17.5°	1708.8
20°	1669.3
22.5°	1606.1
25°	1517.9
27.5°	1423.1
30°	1315.1
32.5°	1204.6
35°	1084.8
37.5°	963.6
40°	850.4
42.5°	734.6
45°	631.9
47.5°	531.8
50°	442.3
52.5°	359.4
55°	287.0
57.5°	225.1
60°	169.8
62.5°	127.7
65°	94.8
67.5°	68.5
70°	50.0
72.5°	38.2
75°	29.0
77.5°	22.4
80°	17.1
82.5°	13.2
85°	10.5
87.5°	5.3
90°	0.0

(END OF REPORT)