

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: P364825

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364825
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-FEU6B35-8030-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: 3036.0 lumens
Efficiency: N/A
Efficacy: 74.8 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

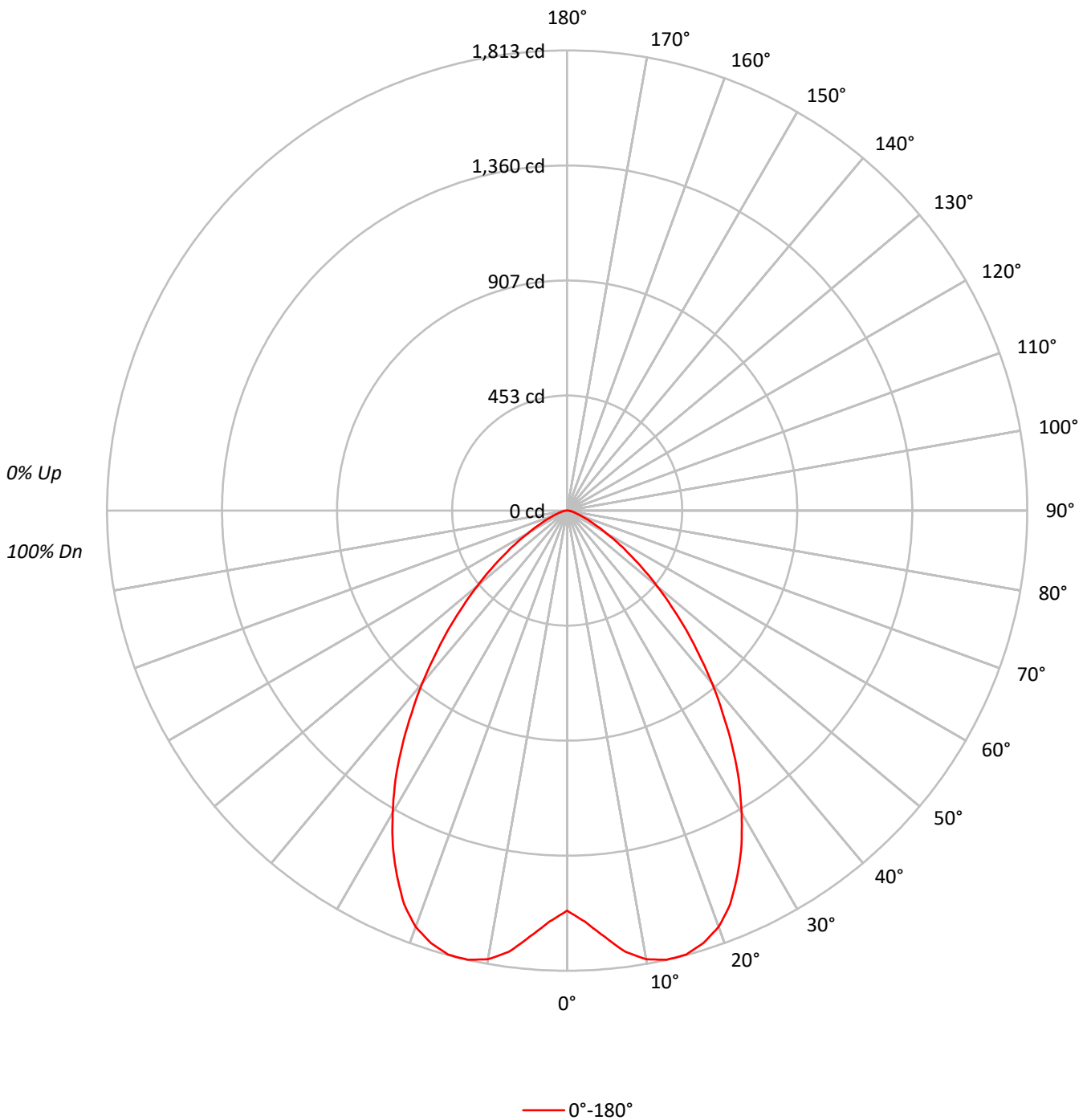
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	112837
5°	121081
10°	130486
15°	134260
20°	132972
25°	125371
30°	113675
35°	99131
40°	83104
45°	66893
50°	51508
55°	37450
60°	25419
65°	16790
70°	10949
75°	8382
80°	7381
85°	9037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.5	5.4
10°-20°	508.1	16.7
20°-30°	725.5	23.9
30°-40°	705.8	23.2
40°-50°	510.6	16.8
50°-60°	273.7	9.0
60°-70°	103.2	3.4
70°-80°	33.9	1.1
80°-90°	10.7	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°	1398.1	46.1
0°-40°	2104.0	69.3
0°-60°	2888.2	95.1
0°-90°	3036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3036.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1576	
5°	1685	164
15°	1811	508
25°	1587	726
35°	1134	706
45°	661	511
55°	300	274
65°	99	103
75°	30	34
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1575.9
2.5°	1621.3
5°	1684.6
7.5°	1753.4
10°	1794.7
12.5°	1812.6
15°	1811.2
17.5°	1786.4
20°	1745.1
22.5°	1679.1
25°	1586.9
27.5°	1487.8
30°	1374.9
32.5°	1259.3
35°	1134.1
37.5°	1007.4
40°	889.1
42.5°	768.0
45°	660.6
47.5°	556.0
50°	462.4
52.5°	375.7
55°	300.0
57.5°	235.3
60°	177.5
62.5°	133.5
65°	99.1
67.5°	71.6
70°	52.3
72.5°	39.9
75°	30.3
77.5°	23.4
80°	17.9
82.5°	13.8
85°	11.0
87.5°	5.5
90°	0.0

(END OF REPORT)