

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: P366298

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3893.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

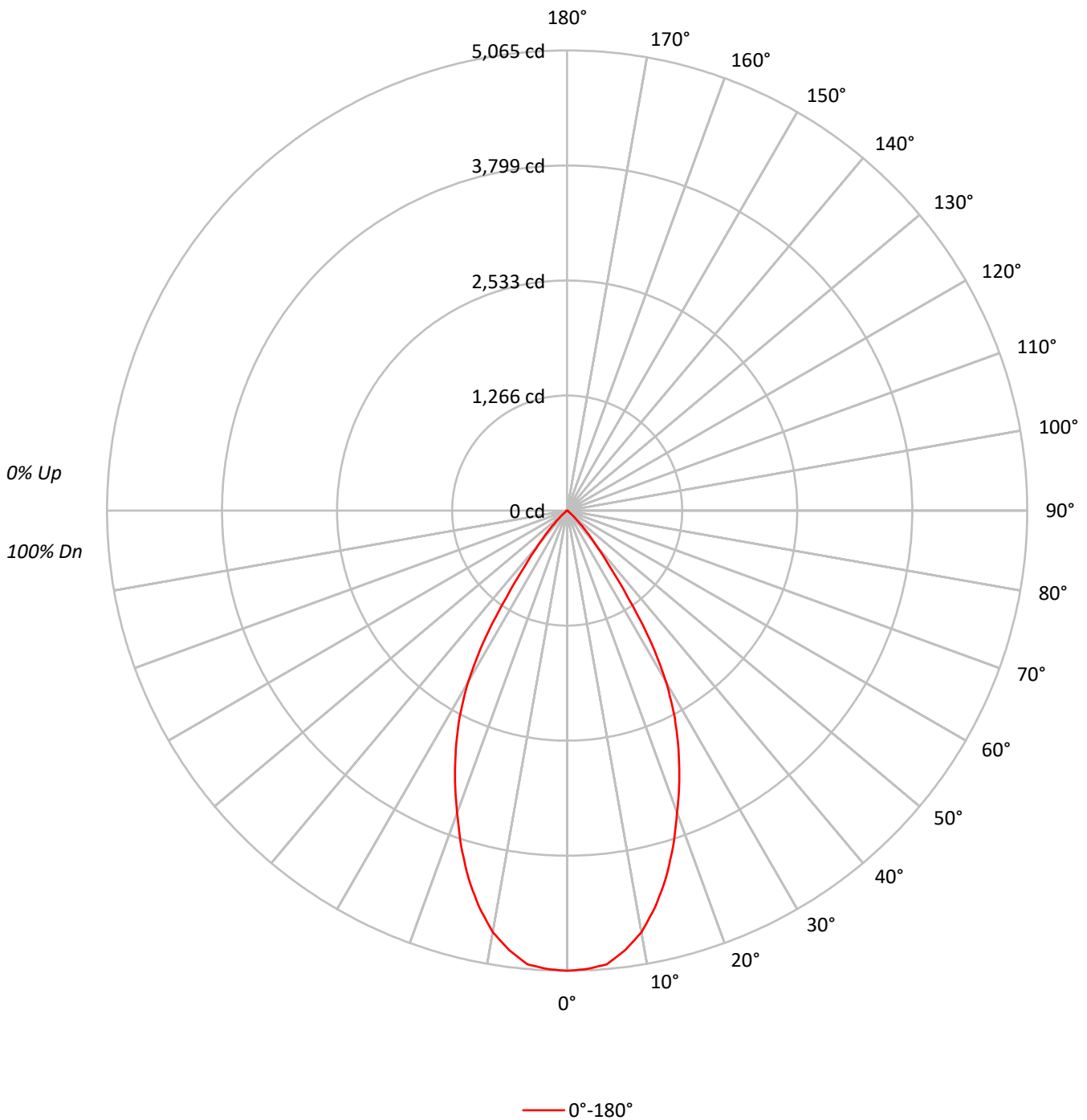
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70	77	73	70	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138344
5°	137433
10°	130676
15°	118576
20°	102867
25°	87445
30°	68813
35°	38768
40°	17412
45°	7239
50°	2171
55°	610
60°	388
65°	278
70°	224
75°	296
80°	220
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.1	12.0
10°-20°	1163.9	29.9
20°-30°	1317.8	33.9
30°-40°	755.6	19.4
40°-50°	164.2	4.2
50°-60°	16.1	0.4
60°-70°	4.8	0.1
70°-80°	2.4	0.1
80°-90°	0.2	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°	2949.8	75.8
0°-40°	3705.4	95.2
0°-60°	3885.6	99.8
0°-90°	3893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3893.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5065	
5°	5012	468
15°	4193	1164
25°	2901	1318
35°	1163	756
45°	187	164
55°	13	16
65°	4	5
75°	3	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5064.7
2.5°	5050.5
5°	5012.2
7.5°	4880.2
10°	4711.3
12.5°	4469.9
15°	4193.1
17.5°	3875.2
20°	3538.8
22.5°	3223.6
25°	2901.4
27.5°	2560.7
30°	2181.7
32.5°	1719.0
35°	1162.6
37.5°	735.3
40°	488.3
42.5°	312.3
45°	187.4
47.5°	102.2
50°	51.1
52.5°	21.3
55°	12.8
57.5°	9.9
60°	7.1
62.5°	5.7
65°	4.3
67.5°	4.3
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)