

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: P364873

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364873
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-FEU6B35-8050-F6LBXVM1-LI-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3795.0 lumens
Efficiency: N/A
Efficacy: 93.5 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

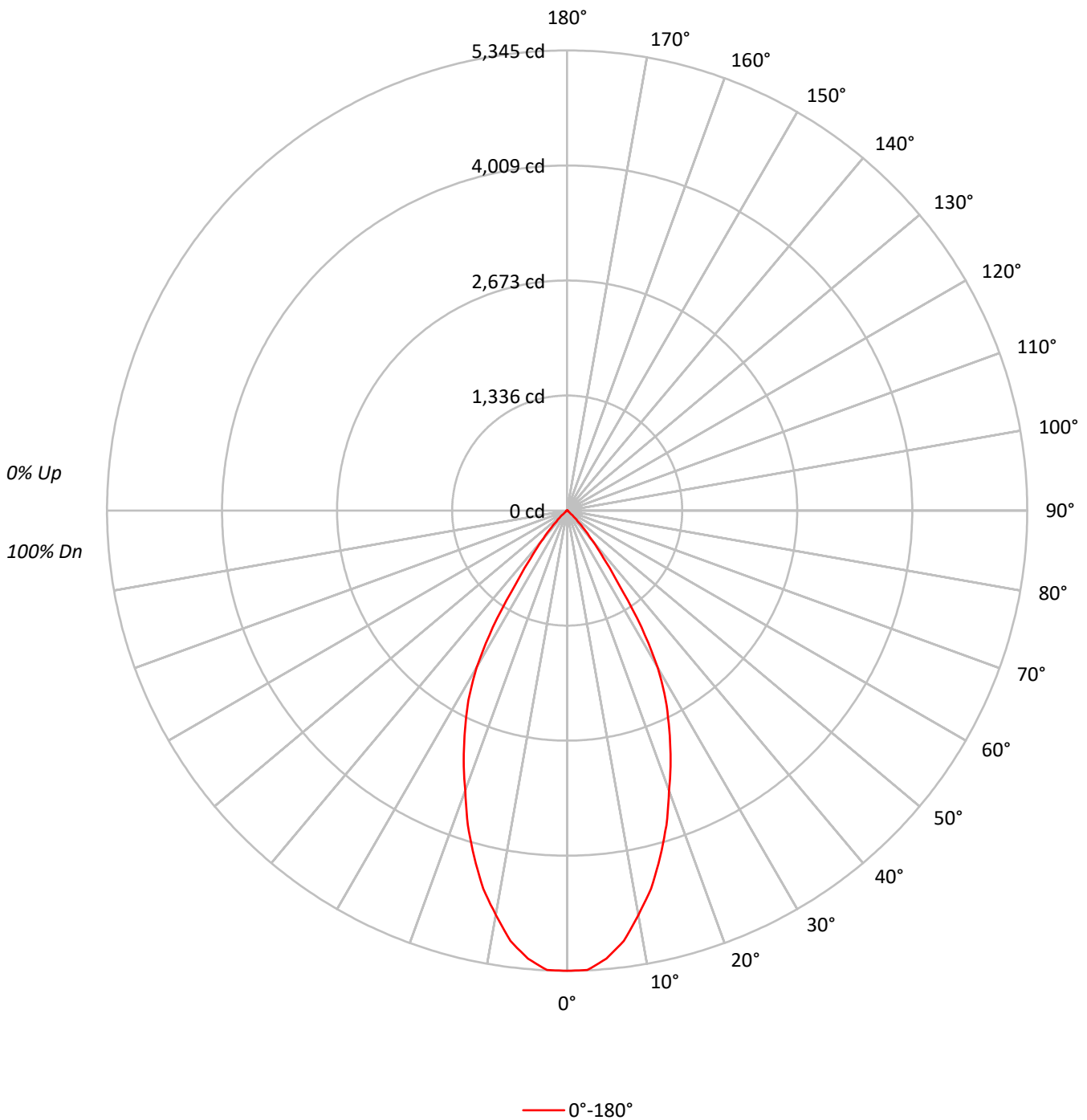
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	146008
5°	143232
10°	132273
15°	117869
20°	100664
25°	84540
30°	66365
35°	34390
40°	16424
45°	6467
50°	1704
55°	476
60°	311
65°	278
70°	232
75°	306
80°	220
85°	439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.4	12.8
10°-20°	1158.4	30.5
20°-30°	1279.0	33.7
30°-40°	703.8	18.5
40°-50°	148.8	3.9
50°-60°	12.6	0.3
60°-70°	3.9	0.1
70°-80°	2.8	0.1
80°-90°	1.3	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°	2921.8	77.0
0°-40°	3625.6	95.5
0°-60°	3787.0	99.8
0°-90°	3795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3795.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5345	
5°	5224	484
15°	4168	1158
25°	2805	1279
35°	1031	704
45°	167	149
55°	10	13
65°	4	4
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5345.3
2.5°	5342.5
5°	5223.7
7.5°	5040.7
10°	4768.9
12.5°	4498.5
15°	4168.1
17.5°	3832.0
20°	3463.0
22.5°	3139.7
25°	2805.0
27.5°	2481.7
30°	2104.1
32.5°	1606.3
35°	1031.3
37.5°	695.2
40°	460.6
42.5°	287.5
45°	167.4
47.5°	85.8
50°	40.1
52.5°	17.2
55°	10.0
57.5°	7.2
60°	5.7
62.5°	4.3
65°	4.3
67.5°	2.9
70°	2.9
72.5°	4.3
75°	2.9
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)