

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: P364802

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364802
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3298.9 lumens
Efficiency: N/A
Efficacy: 81.3 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

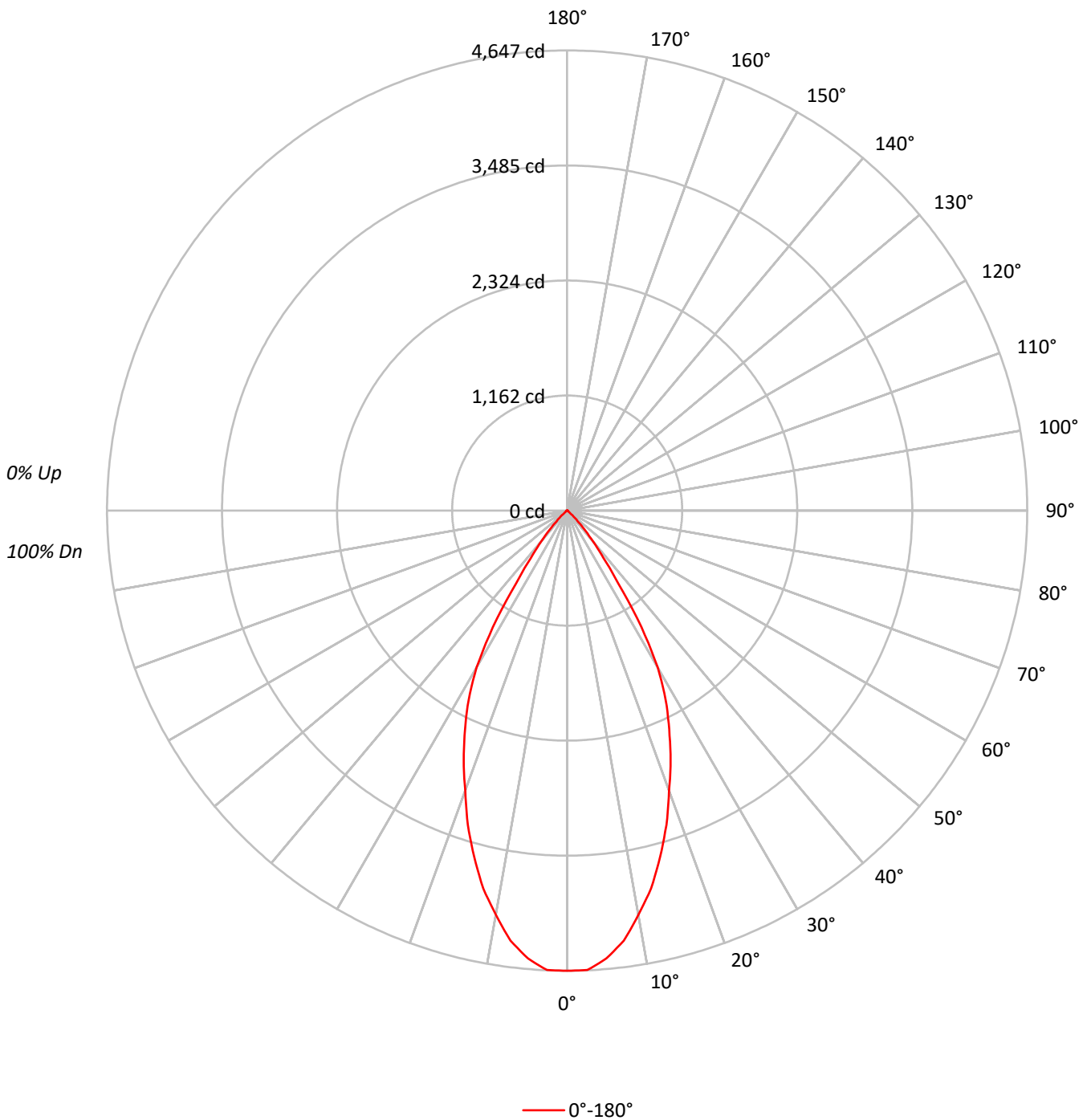
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	126926
5°	124512
10°	114985
15°	102466
20°	87504
25°	73491
30°	57692
35°	29894
40°	14277
45°	5621
50°	1479
55°	414
60°	273
65°	239
70°	200
75°	264
80°	189
85°	376



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.1	12.8
10°-20°	1007.0	30.5
20°-30°	1111.8	33.7
30°-40°	611.8	18.5
40°-50°	129.3	3.9
50°-60°	10.9	0.3
60°-70°	3.4	0.1
70°-80°	2.4	0.1
80°-90°	1.1	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°	2539.9	77.0
0°-40°	3151.7	95.5
0°-60°	3292.0	99.8
0°-90°	3298.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3298.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4647	
5°	4541	421
15°	3623	1007
25°	2438	1112
35°	896	612
45°	146	129
55°	9	11
65°	4	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4646.7
2.5°	4644.2
5°	4541.0
7.5°	4381.9
10°	4145.6
12.5°	3910.6
15°	3623.4
17.5°	3331.2
20°	3010.3
22.5°	2729.3
25°	2438.4
27.5°	2157.4
30°	1829.1
32.5°	1396.4
35°	896.5
37.5°	604.3
40°	400.4
42.5°	249.9
45°	145.5
47.5°	74.6
50°	34.8
52.5°	14.9
55°	8.7
57.5°	6.2
60°	5.0
62.5°	3.7
65°	3.7
67.5°	2.5
70°	2.5
72.5°	3.7
75°	2.5
77.5°	1.2
80°	1.2
82.5°	1.2
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)