

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: P366273

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
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-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3117.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

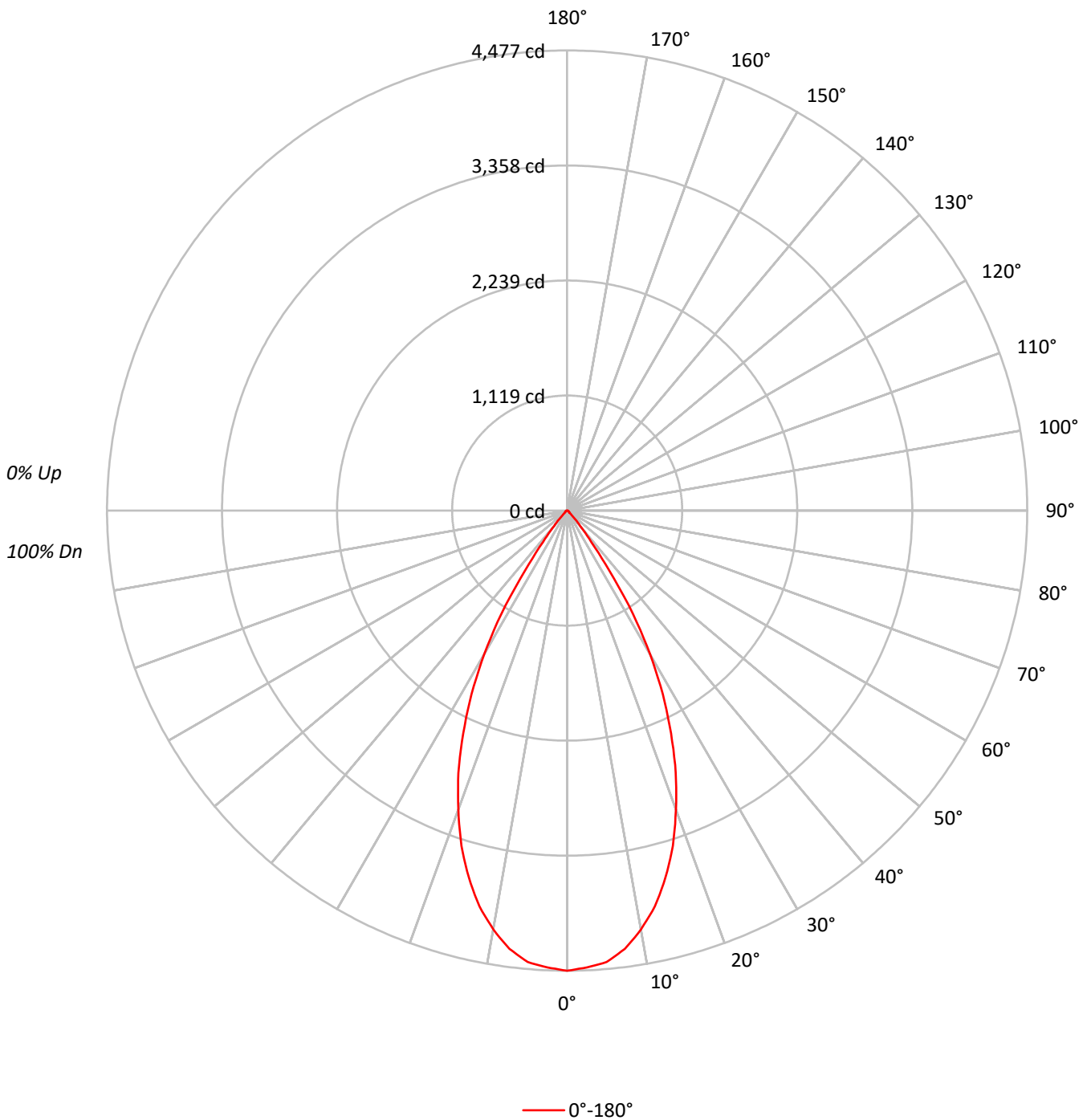
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67		74	70	67		73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60		68	63	60		67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	320547
5°	316927
10°	300874
15°	273998
20°	235807
25°	188914
30°	133278
35°	61729
40°	20077
45°	6410
50°	3063
55°	2746
60°	2563
65°	2338
70°	2303
75°	3043
80°	3422
85°	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.0	13.2
10°-20°	1025.1	32.9
20°-30°	1081.8	34.7
30°-40°	484.1	15.5
40°-50°	63.4	2.0
50°-60°	19.5	0.6
60°-70°	13.8	0.4
70°-80°	10.9	0.3
80°-90°	6.4	0.2
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°	2518.9	80.8
0°-40°	3003.0	96.3
0°-60°	3085.9	99.0
0°-90°	3117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3117.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4477	
5°	4409	412
15°	3696	1025
25°	2391	1082
35°	706	484
45°	63	63
55°	22	20
65°	14	14
75°	11	11
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4476.8
2.5°	4447.9
5°	4409.4
7.5°	4300.6
10°	4138.2
12.5°	3944.1
15°	3696.3
17.5°	3420.9
20°	3094.7
22.5°	2762.9
25°	2391.2
27.5°	2015.4
30°	1612.0
32.5°	1194.9
35°	706.2
37.5°	384.1
40°	214.8
42.5°	119.8
45°	63.3
47.5°	33.0
50°	27.5
52.5°	23.4
55°	22.0
57.5°	19.3
60°	17.9
62.5°	15.1
65°	13.8
67.5°	12.4
70°	11.0
72.5°	11.0
75°	11.0
77.5°	9.6
80°	8.3
82.5°	8.3
85°	6.9
87.5°	4.1
90°	0.0

(END OF REPORT)