

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: P365851

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3807.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

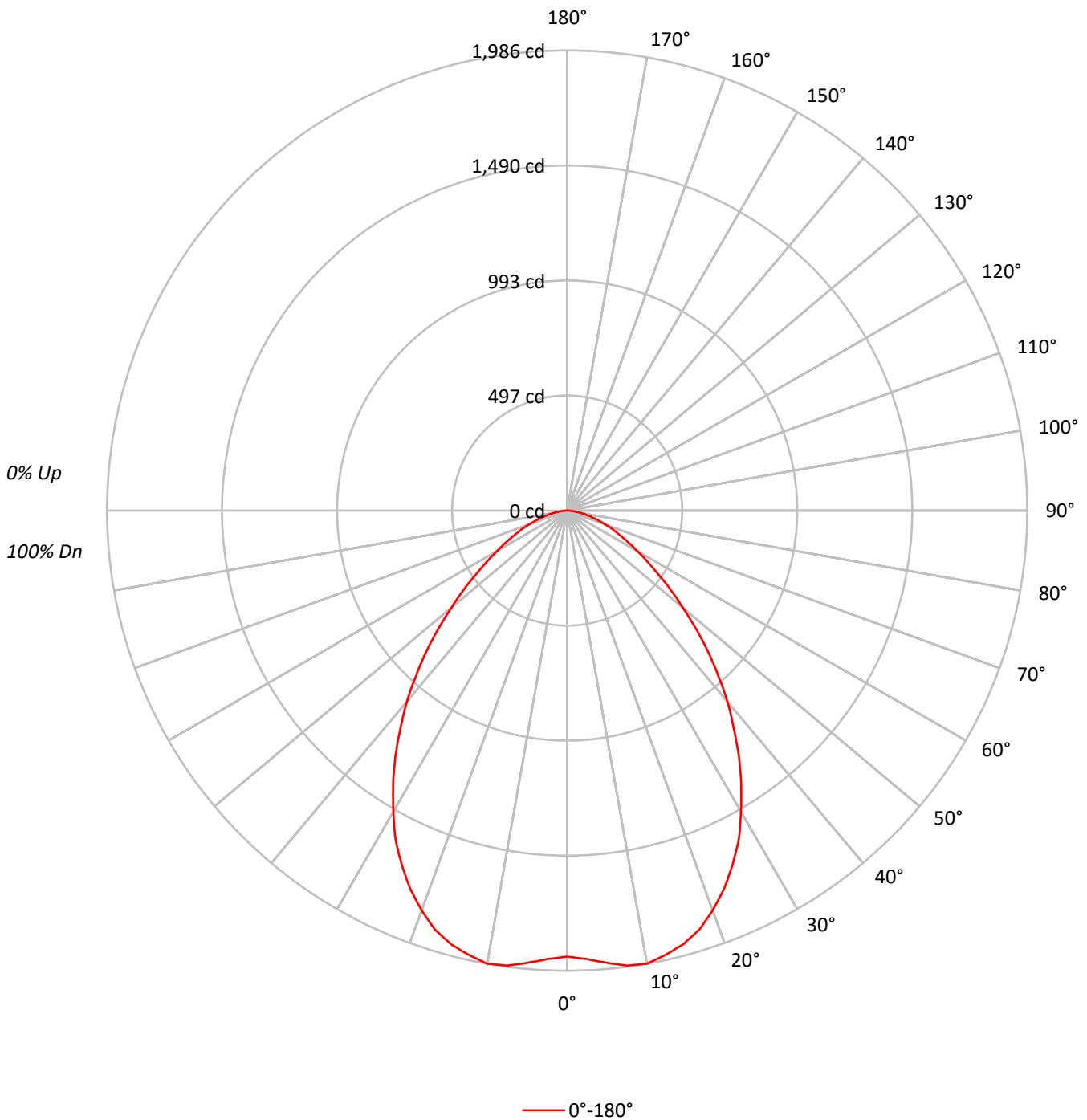
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137848
5°	140811
10°	144373
15°	143608
20°	139875
25°	133374
30°	123977
35°	112890
40°	100601
45°	86942
50°	72472
55°	60083
60°	50222
65°	42610
70°	36448
75°	30099
80°	23916
85°	17910



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.0	4.9
10°-20°	544.2	14.3
20°-30°	773.9	20.3
30°-40°	804.8	21.1
40°-50°	661.4	17.4
50°-60°	436.8	11.5
60°-70°	253.1	6.6
70°-80°	117.9	3.1
80°-90°	27.0	0.7
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°	1506.1	39.6
0°-40°	2310.9	60.7
0°-60°	3409.1	89.5
0°-90°	3807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3807.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1925	
5°	1959	188
15°	1937	544
25°	1688	774
35°	1292	805
45°	859	661
55°	481	437
65°	252	253
75°	109	118
85°	22	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1925.2
2.5°	1937.3
5°	1959.1
7.5°	1980.8
10°	1985.7
12.5°	1963.9
15°	1937.3
17.5°	1896.2
20°	1835.7
22.5°	1768.0
25°	1688.2
27.5°	1603.5
30°	1499.5
32.5°	1398.0
35°	1291.5
37.5°	1180.3
40°	1076.3
42.5°	965.0
45°	858.6
47.5°	752.2
50°	650.6
52.5°	566.0
55°	481.3
57.5°	411.2
60°	350.7
62.5°	297.5
65°	251.5
67.5°	212.8
70°	174.1
72.5°	140.3
75°	108.8
77.5°	82.2
80°	58.0
82.5°	38.7
85°	21.8
87.5°	9.7
90°	0.0

(END OF REPORT)