

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: P365800

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3960.1 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

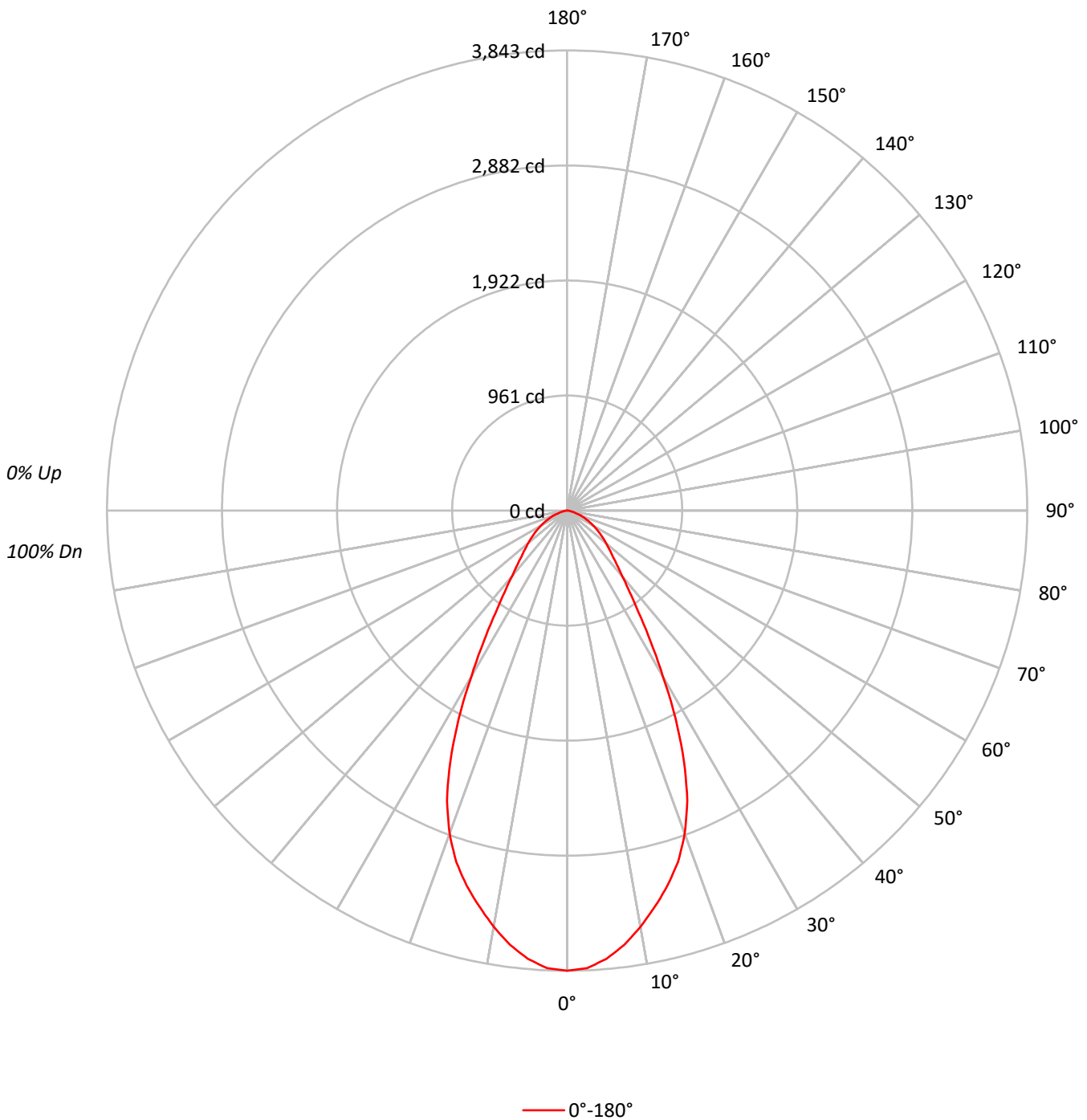
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	275159
5°	270079
10°	256559
15°	240270
20°	218762
25°	182483
30°	132327
35°	91037
40°	66934
45°	54326
50°	47253
55°	41757
60°	36331
65°	30801
70°	24913
75°	18010
80°	12040
85°	12898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.4	8.9
10°-20°	905.3	22.9
20°-30°	1038.9	26.2
30°-40°	672.4	17.0
40°-50°	422.4	10.7
50°-60°	300.6	7.6
60°-70°	181.3	4.6
70°-80°	72.1	1.8
80°-90°	15.6	0.4
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°	2295.6	58.0
0°-40°	2968.0	74.9
0°-60°	3691.1	93.2
0°-90°	3960.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3960.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3843	
5°	3758	351
15°	3241	905
25°	2310	1039
35°	1042	672
45°	536	422
55°	334	301
65°	182	181
75°	65	72
85°	16	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3842.9
2.5°	3825.0
5°	3757.6
7.5°	3656.6
10°	3528.7
12.5°	3387.2
15°	3241.3
17.5°	3077.5
20°	2871.0
22.5°	2621.8
25°	2309.8
27.5°	1961.9
30°	1600.5
32.5°	1295.2
35°	1041.5
37.5°	855.2
40°	716.1
42.5°	615.0
45°	536.5
47.5°	475.9
50°	424.2
52.5°	379.4
55°	334.5
57.5°	294.1
60°	253.7
62.5°	217.7
65°	181.8
67.5°	148.2
70°	119.0
72.5°	89.8
75°	65.1
77.5°	44.9
80°	29.2
82.5°	18.0
85°	15.7
87.5°	9.0
90°	0.0

(END OF REPORT)