

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: P365793

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
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-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2278.0 lumens
Efficiency: N/A
Efficacy: 31.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

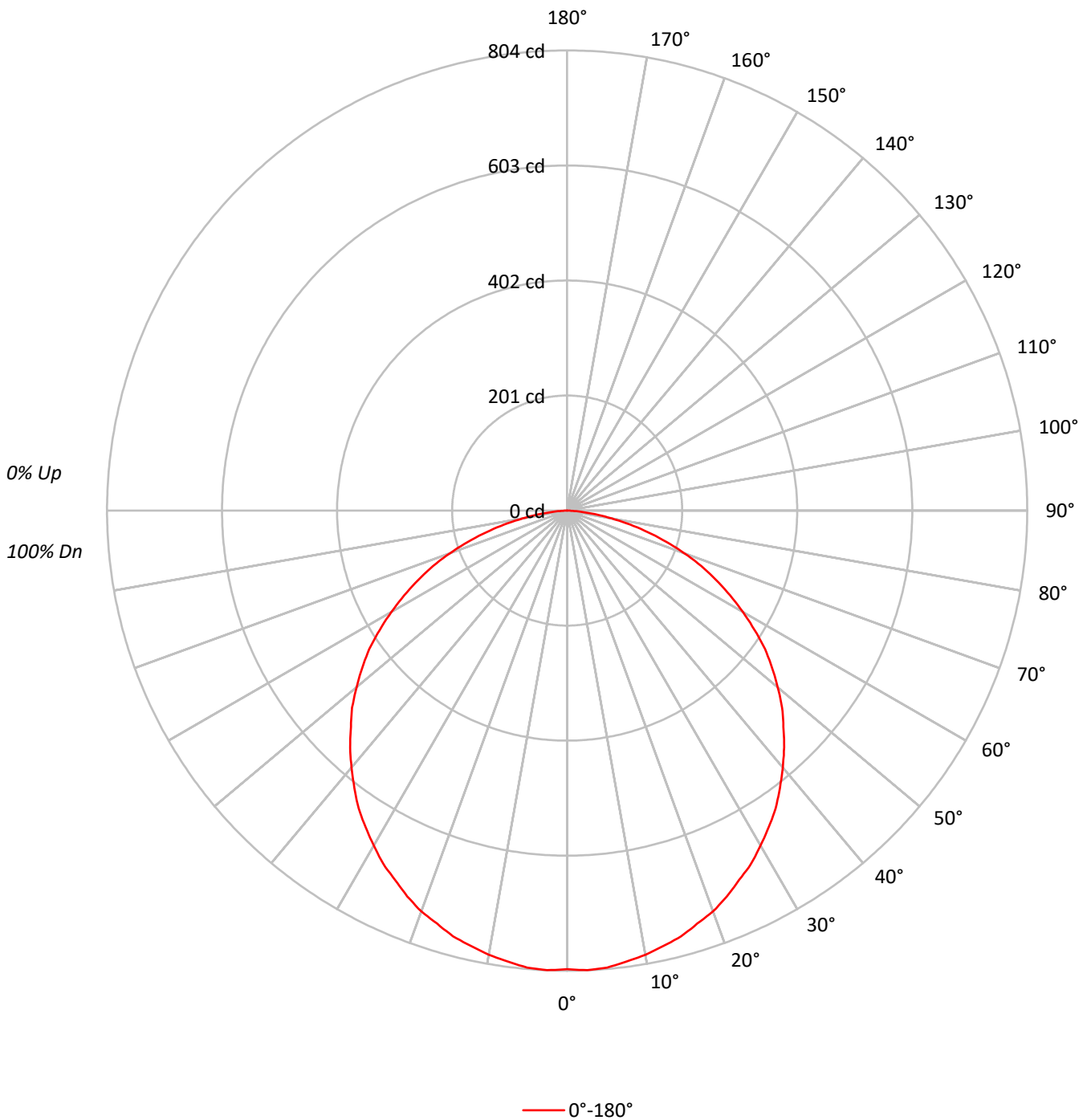
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21893
5°	21977
10°	21856
15°	21778
20°	21668
25°	21450
30°	21315
35°	21185
40°	20895
45°	20640
50°	20415
55°	20102
60°	19377
65°	18576
70°	17394
75°	15398
80°	12364
85°	7052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	3.3
10°-20°	217.1	9.5
20°-30°	328.6	14.4
30°-40°	396.6	17.4
40°-50°	412.9	18.1
50°-60°	375.6	16.5
60°-70°	284.1	12.5
70°-80°	155.0	6.8
80°-90°	32.0	1.4
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°	621.7	27.3
0°-40°	1018.4	44.7
0°-60°	1806.9	79.3
0°-90°	2278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2278.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	802	
5°	802	76
15°	770	217
25°	712	329
35°	635	397
45°	534	413
55°	422	376
65°	287	284
75°	146	155
85°	22	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	801.5
2.5°	803.7
5°	801.5
7.5°	794.7
10°	788.0
12.5°	779.0
15°	770.1
17.5°	756.6
20°	745.4
22.5°	729.6
25°	711.7
27.5°	696.0
30°	675.8
32.5°	655.6
35°	635.3
37.5°	610.7
40°	586.0
42.5°	561.3
45°	534.3
47.5°	509.6
50°	480.4
52.5°	451.3
55°	422.1
57.5°	388.4
60°	354.7
62.5°	321.0
65°	287.4
67.5°	253.7
70°	217.8
72.5°	181.8
75°	145.9
77.5°	112.3
80°	78.6
82.5°	49.4
85°	22.5
87.5°	6.7
90°	0.0

(END OF REPORT)