

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: P365824

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6033.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

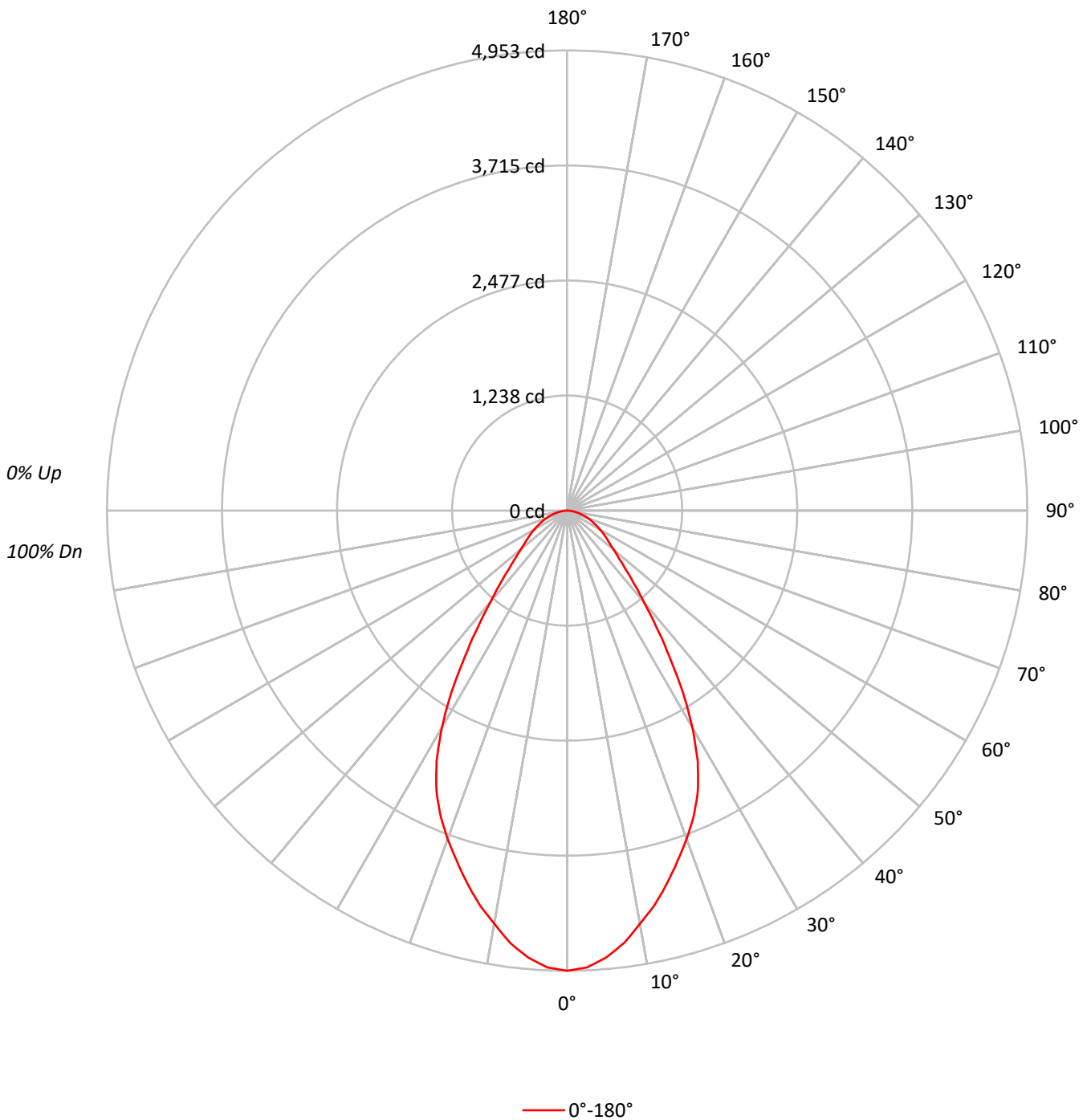
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80					80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71					71			
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64					64			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59					59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42					42			
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39					39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135287
5°	132365
10°	125231
15°	117470
20°	109288
25°	100321
30°	85012
35°	63854
40°	45820
45°	34276
50°	27622
55°	24511
60°	22273
65°	20411
70°	18680
75°	17108
80°	15243
85°	12568



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.0	7.5
10°-20°	1164.6	19.3
20°-30°	1508.4	25.0
30°-40°	1207.3	20.0
40°-50°	704.1	11.7
50°-60°	464.0	7.7
60°-70°	314.9	5.2
70°-80°	172.3	2.9
80°-90°	46.3	0.8
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°	3124.0	51.8
0°-40°	4331.4	71.8
0°-60°	5499.5	91.2
0°-90°	6033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6033.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4953	
5°	4827	451
15°	4154	1165
25°	3329	1508
35°	1915	1207
45°	887	704
55°	515	464
65°	316	315
75°	162	172
85°	40	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4952.8
2.5°	4921.0
5°	4827.4
7.5°	4693.8
10°	4515.0
12.5°	4347.9
15°	4154.0
17.5°	3951.9
20°	3759.7
22.5°	3559.2
25°	3328.6
27.5°	3042.8
30°	2695.3
32.5°	2319.3
35°	1914.9
37.5°	1575.7
40°	1285.0
42.5°	1064.4
45°	887.3
47.5°	751.9
50°	650.0
52.5°	573.1
55°	514.7
57.5°	461.2
60°	407.7
62.5°	360.9
65°	315.8
67.5°	275.7
70°	233.9
72.5°	197.2
75°	162.1
77.5°	128.7
80°	96.9
82.5°	66.8
85°	40.1
87.5°	15.0
90°	0.0

(END OF REPORT)