

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: P365850

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4194.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

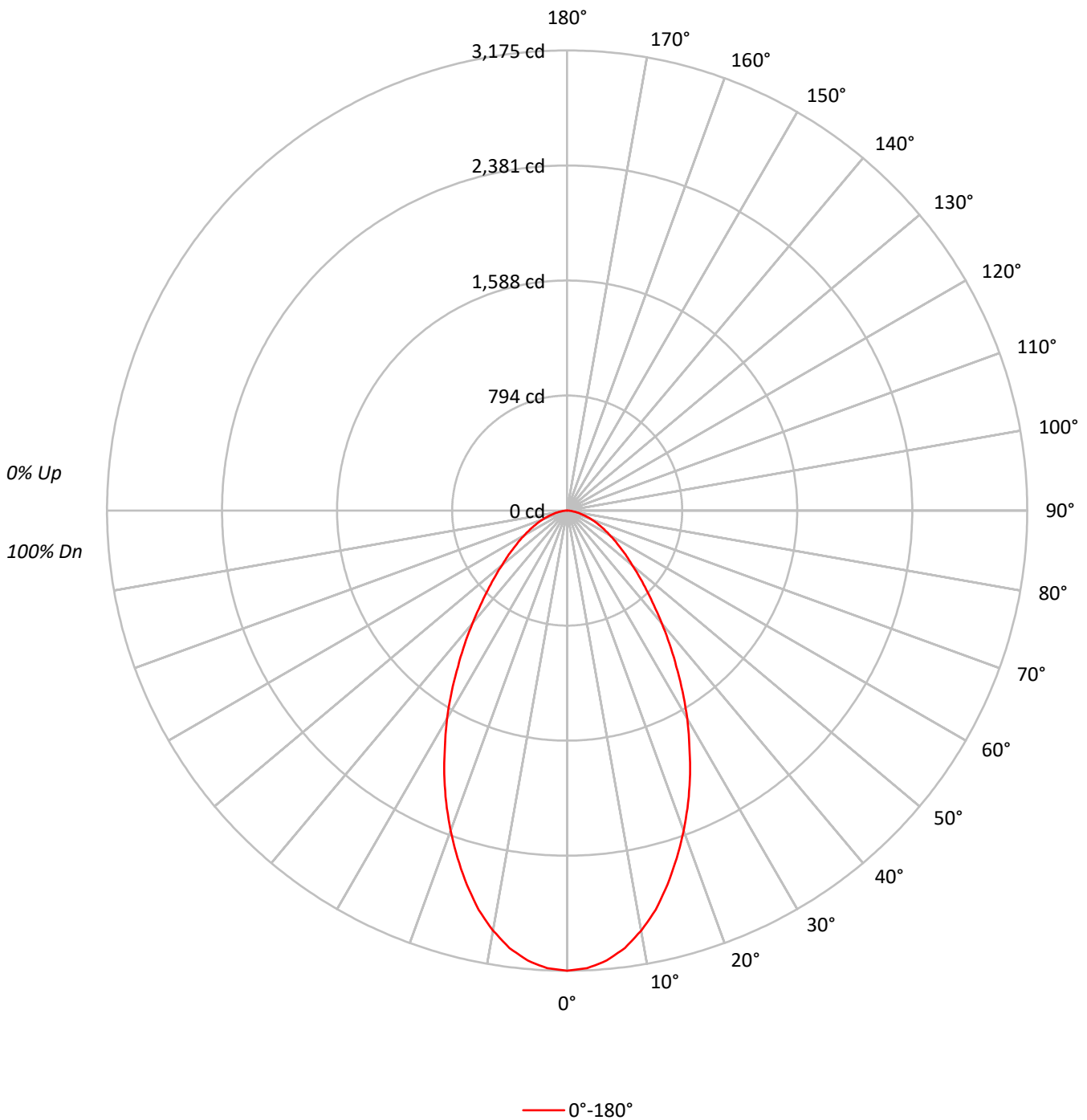
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	227329
5°	224021
10°	213953
15°	198062
20°	179086
25°	158561
30°	136941
35°	114769
40°	94928
45°	78355
50°	65454
55°	56150
60°	48818
65°	43017
70°	37453
75°	31427
80°	25936
85°	19881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.0	7.0
10°-20°	746.4	17.8
20°-30°	918.2	21.9
30°-40°	823.2	19.6
40°-50°	602.5	14.4
50°-60°	407.4	9.7
60°-70°	253.1	6.0
70°-80°	122.3	2.9
80°-90°	29.0	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°	1956.6	46.7
0°-40°	2779.8	66.3
0°-60°	3789.6	90.4
0°-90°	4194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4194.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3175	
5°	3117	292
15°	2672	746
25°	2007	918
35°	1313	823
45°	774	602
55°	450	407
65°	254	253
75°	114	122
85°	24	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3174.9
2.5°	3160.3
5°	3116.8
7.5°	3044.3
10°	2942.7
12.5°	2821.8
15°	2671.9
17.5°	2514.7
20°	2350.3
22.5°	2181.1
25°	2007.0
27.5°	1825.6
30°	1656.3
32.5°	1482.2
35°	1313.0
37.5°	1160.6
40°	1015.6
42.5°	885.0
45°	773.8
47.5°	674.6
50°	587.6
52.5°	517.5
55°	449.8
57.5°	394.1
60°	340.9
62.5°	295.0
65°	253.9
67.5°	215.2
70°	178.9
72.5°	145.1
75°	113.6
77.5°	84.6
80°	62.9
82.5°	41.1
85°	24.2
87.5°	9.7
90°	0.0

(END OF REPORT)