

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: P366510

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-WMH-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5863.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

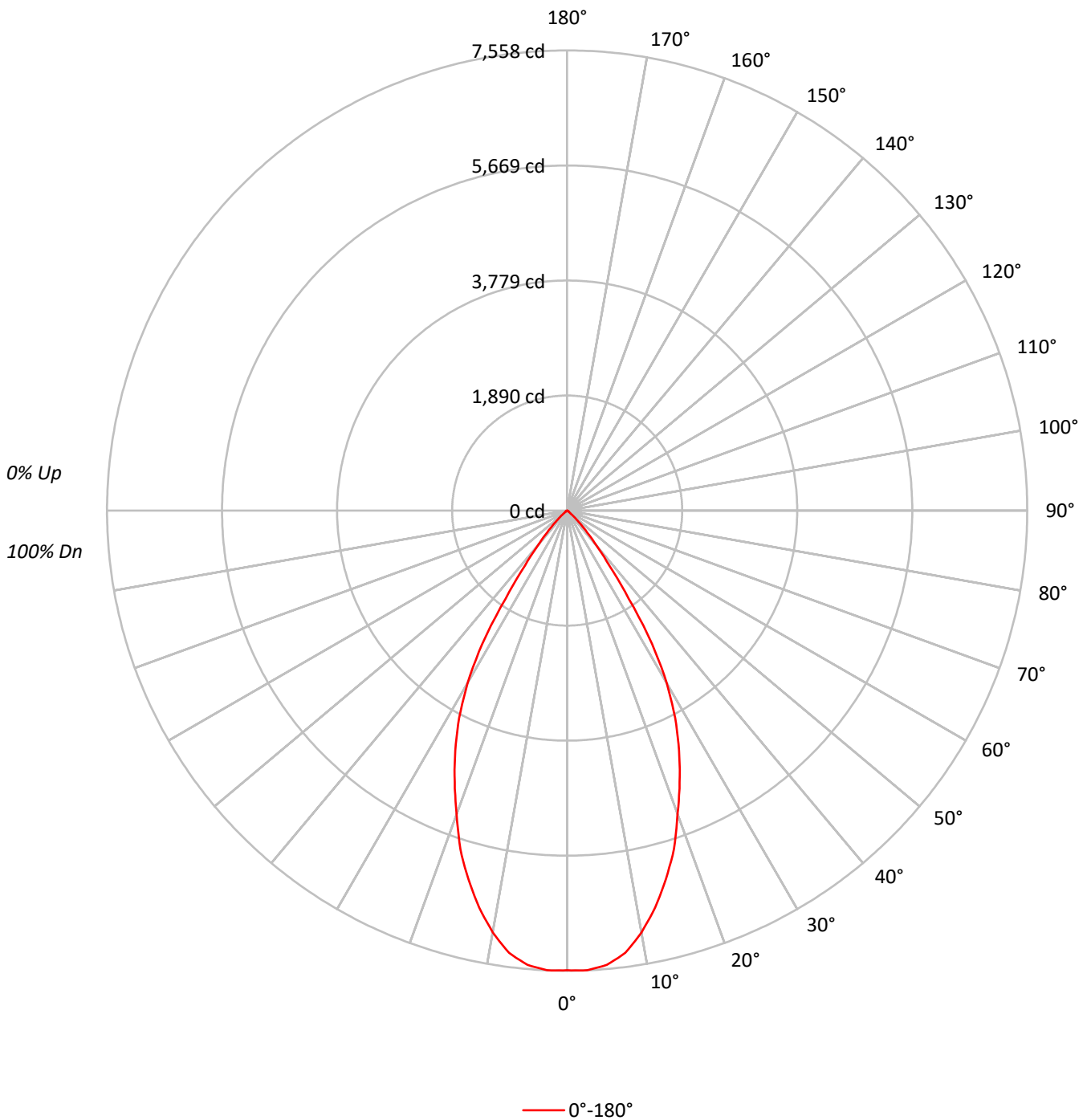
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	206255
5°	205389
10°	195108
15°	177226
20°	154216
25°	131114
30°	103139
35°	58845
40°	26479
45°	11145
50°	3519
55°	1067
60°	732
65°	575
70°	535
75°	707
80°	346
85°	689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.6	12.0
10°-20°	1743.3	29.7
20°-30°	1975.5	33.7
30°-40°	1145.2	19.5
40°-50°	254.0	4.3
50°-60°	27.9	0.5
60°-70°	9.1	0.2
70°-80°	5.9	0.1
80°-90°	1.5	0.0
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°	4419.4	75.4
0°-40°	5564.7	94.9
0°-60°	5846.5	99.7
0°-90°	5863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5863.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7551	
5°	7491	701
15°	6267	1743
25°	4350	1975
35°	1765	1145
45°	288	254
55°	22	28
65°	9	9
75°	7	6
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7550.9
2.5°	7557.7
5°	7490.6
7.5°	7327.3
10°	7034.3
12.5°	6678.7
15°	6267.1
17.5°	5833.2
20°	5305.3
22.5°	4828.9
25°	4350.3
27.5°	3840.3
30°	3270.0
32.5°	2596.8
35°	1764.7
37.5°	1134.0
40°	742.6
42.5°	485.4
45°	288.5
47.5°	161.0
50°	82.8
52.5°	38.0
55°	22.4
57.5°	17.9
60°	13.4
62.5°	11.2
65°	8.9
67.5°	6.7
70°	6.7
72.5°	6.7
75°	6.7
77.5°	4.5
80°	2.2
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)