

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: P365702

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4152.9 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

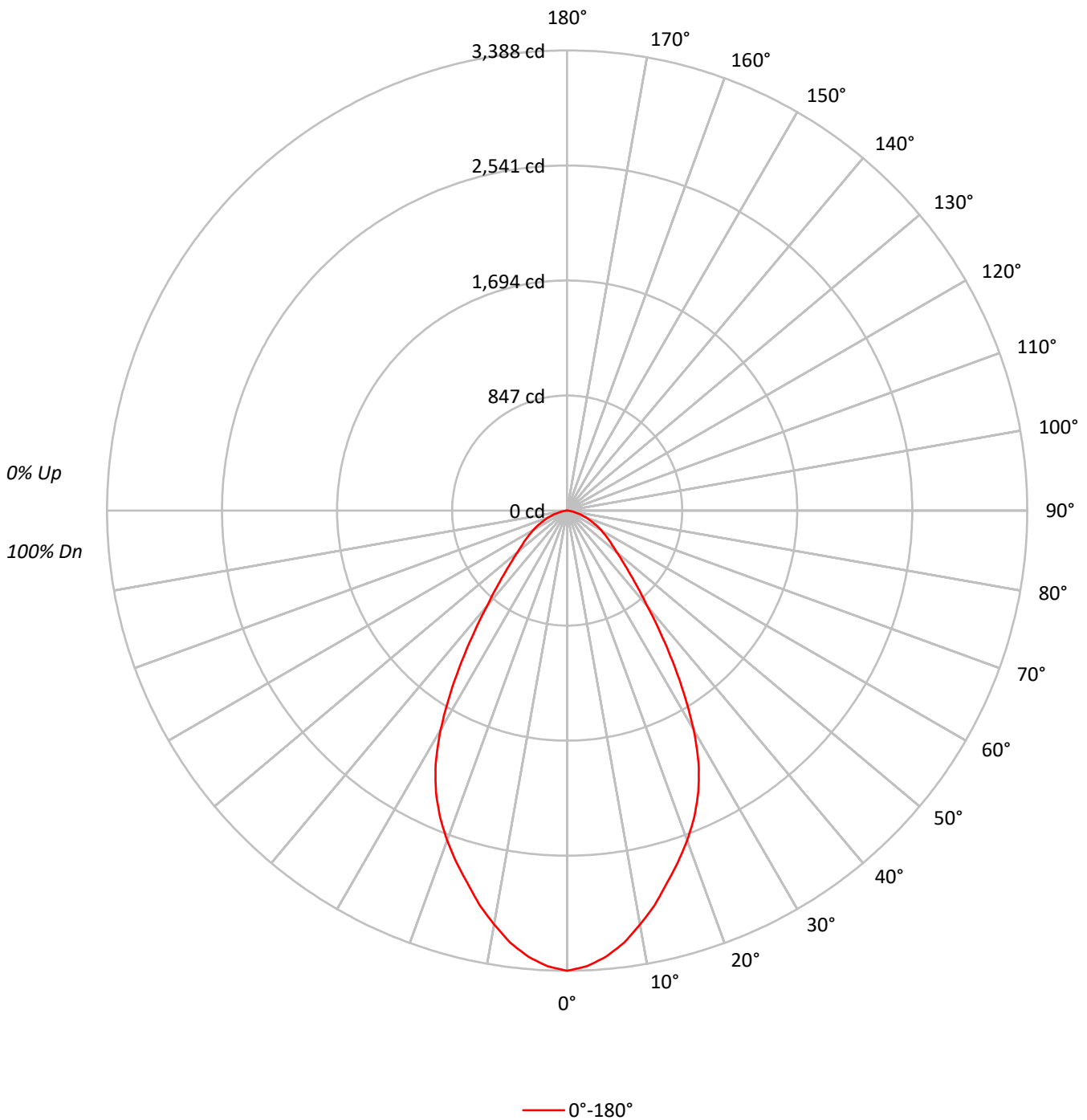
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92547
5°	90383
10°	85812
15°	80247
20°	75101
25°	68883
30°	58764
35°	44987
40°	32705
45°	24951
50°	20219
55°	17744
60°	15761
65°	13709
70°	11596
75°	9076
80°	6009
85°	2382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.3	7.4
10°-20°	798.0	19.2
20°-30°	1037.5	25.0
30°-40°	845.5	20.4
40°-50°	510.5	12.3
50°-60°	335.3	8.1
60°-70°	211.7	5.1
70°-80°	92.6	2.2
80°-90°	13.5	0.3
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°	2143.8	51.6
0°-40°	2989.3	72.0
0°-60°	3835.2	92.3
0°-90°	4152.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4152.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3388	
5°	3296	308
15°	2838	798
25°	2286	1038
35°	1349	846
45°	646	511
55°	373	335
65°	212	212
75°	86	93
85°	8	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3388.1
2.5°	3357.5
5°	3296.3
7.5°	3208.4
10°	3093.8
12.5°	2975.3
15°	2837.7
17.5°	2713.5
20°	2583.6
22.5°	2444.1
25°	2285.5
27.5°	2096.3
30°	1863.1
32.5°	1603.3
35°	1349.1
37.5°	1116.0
40°	917.2
42.5°	768.2
45°	645.9
47.5°	550.3
50°	475.8
52.5°	418.5
55°	372.6
57.5°	328.7
60°	288.5
62.5°	250.3
65°	212.1
67.5°	177.7
70°	145.2
72.5°	114.7
75°	86.0
77.5°	59.2
80°	38.2
82.5°	21.0
85°	7.6
87.5°	1.9
90°	0.0

(END OF REPORT)