

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: P365700

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
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-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4383.9 lumens
Efficiency: N/A
Efficacy: 75.5 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

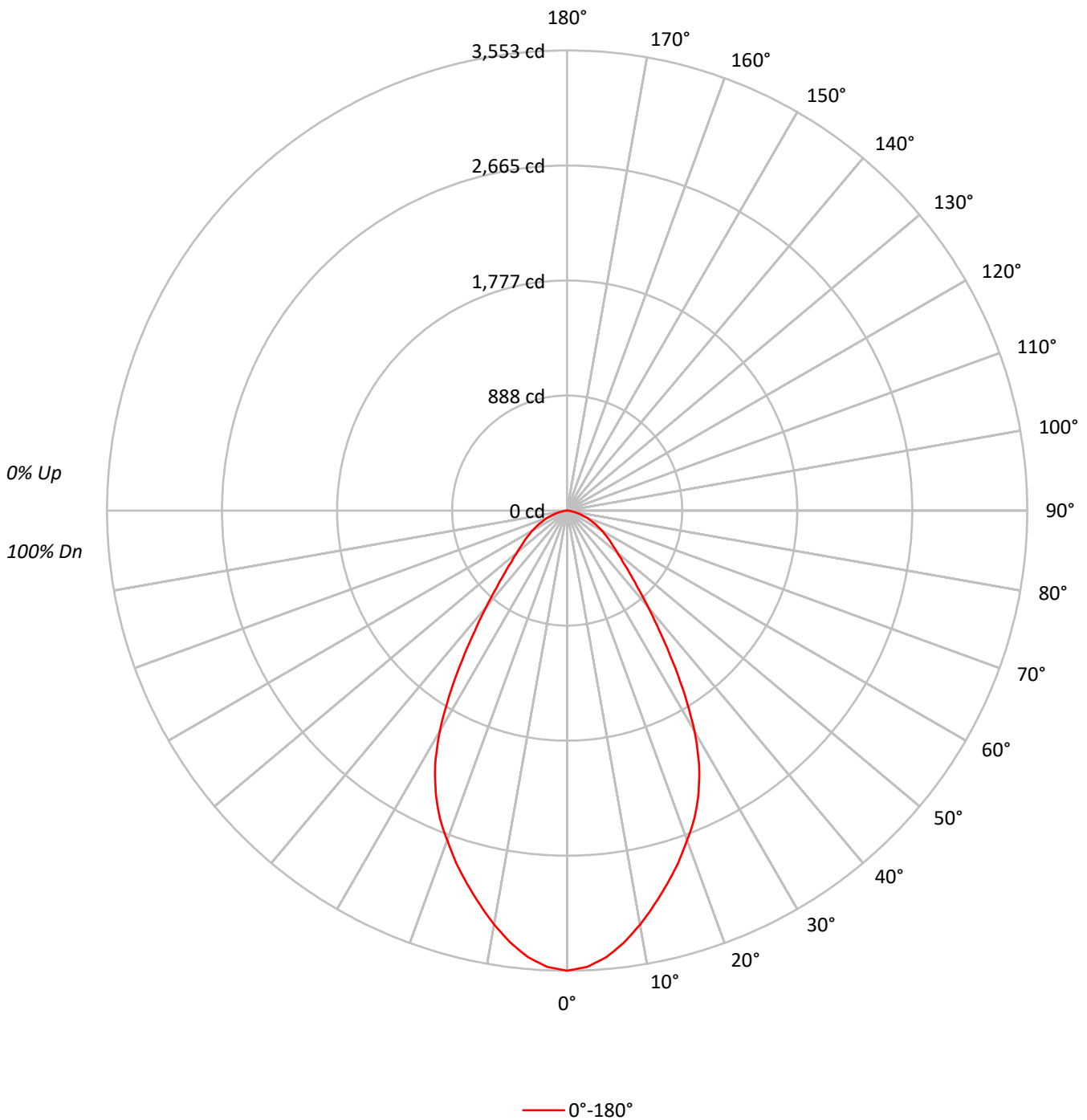
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97048
5°	94905
10°	90011
15°	84367
20°	78723
25°	72406
30°	62028
35°	47224
40°	34688
45°	26284
50°	21524
55°	18930
60°	16914
65°	14820
70°	12667
75°	9878
80°	6607
85°	3009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.5	7.4
10°-20°	837.5	19.1
20°-30°	1091.4	24.9
30°-40°	889.8	20.3
40°-50°	538.7	12.3
50°-60°	357.8	8.2
60°-70°	228.8	5.2
70°-80°	101.4	2.3
80°-90°	15.1	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°	2252.4	51.4
0°-40°	3142.2	71.7
0°-60°	4038.7	92.1
0°-90°	4383.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4383.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3553	
5°	3461	323
15°	2983	838
25°	2402	1091
35°	1416	890
45°	680	539
55°	398	358
65°	229	229
75°	94	101
85°	10	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3552.9
2.5°	3526.2
5°	3461.2
7.5°	3363.7
10°	3245.2
12.5°	3115.3
15°	2983.4
17.5°	2851.5
20°	2708.2
22.5°	2570.6
25°	2402.4
27.5°	2207.4
30°	1966.6
32.5°	1691.4
35°	1416.2
37.5°	1167.8
40°	972.8
42.5°	806.5
45°	680.4
47.5°	581.0
50°	506.5
52.5°	445.3
55°	397.5
57.5°	351.7
60°	309.6
62.5°	269.5
65°	229.3
67.5°	193.0
70°	158.6
72.5°	124.2
75°	93.6
77.5°	66.9
80°	42.0
82.5°	22.9
85°	9.6
87.5°	1.9
90°	0.0

(END OF REPORT)