

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: P365755

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4664.0 lumens
Efficiency: N/A
Efficacy: 80.3 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

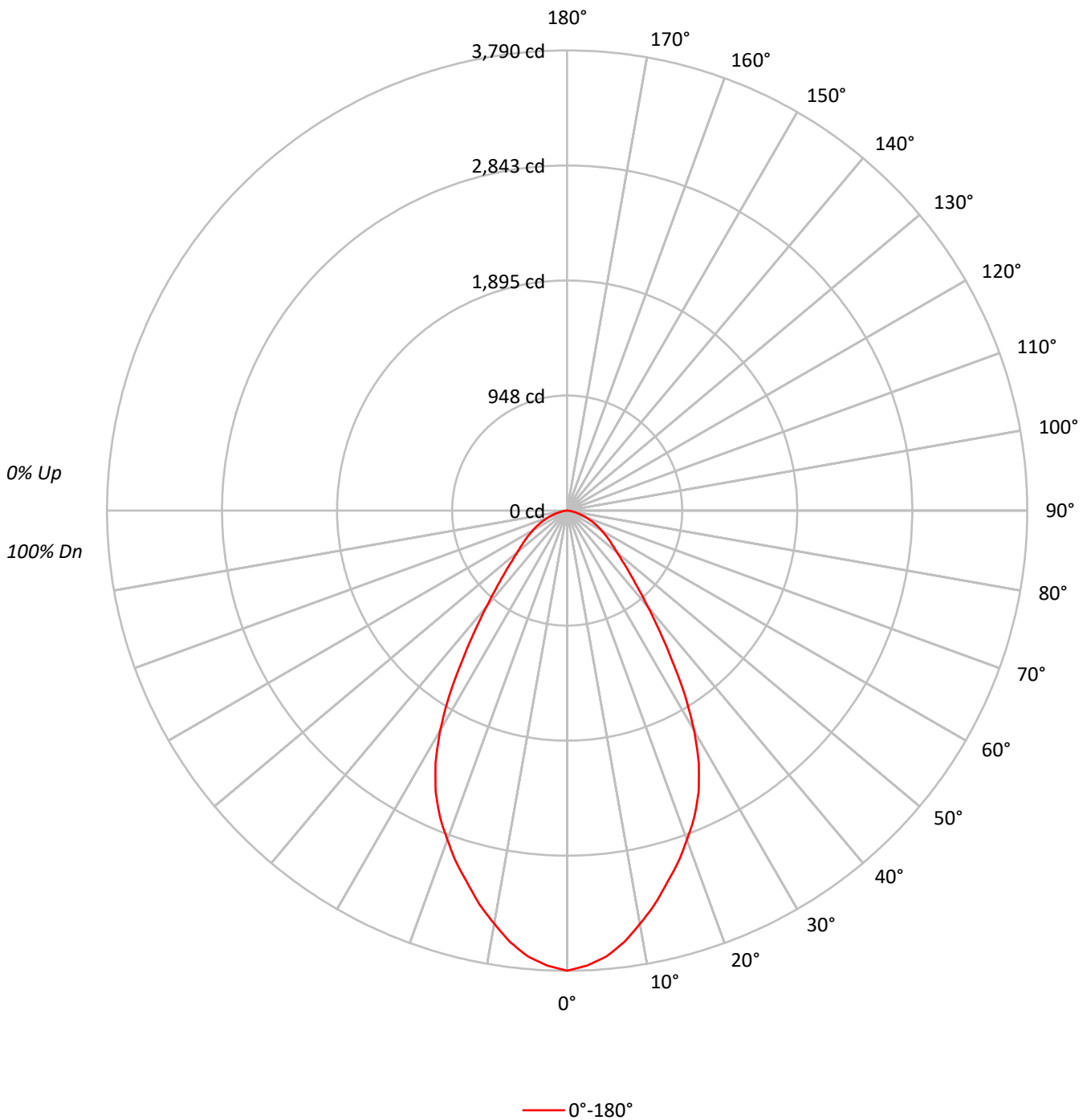
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		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	78	68	62	57	67	61	56		65	60	56		64	59	55	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	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°	103514
5°	101085
10°	95861
15°	89760
20°	83827
25°	77177
30°	65965
35°	50175
40°	36774
45°	27991
50°	22828
55°	20097
60°	17881
65°	15699
70°	13313
75°	10427
80°	7126
85°	3228



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.6	7.4
10°-20°	892.2	19.1
20°-30°	1161.6	24.9
30°-40°	948.0	20.3
40°-50°	573.1	12.3
50°-60°	379.6	8.1
60°-70°	241.6	5.2
70°-80°	107.0	2.3
80°-90°	16.2	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°	2398.4	51.4
0°-40°	3346.4	71.7
0°-60°	4299.1	92.2
0°-90°	4664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4664.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3790	
5°	3687	345
15°	3174	892
25°	2561	1162
35°	1505	948
45°	725	573
55°	422	380
65°	243	242
75°	99	107
85°	10	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3789.6
2.5°	3750.4
5°	3686.6
7.5°	3585.8
10°	3456.1
12.5°	3324.4
15°	3174.1
17.5°	3038.2
20°	2883.8
22.5°	2735.6
25°	2560.7
27.5°	2346.6
30°	2091.4
32.5°	1805.2
35°	1504.7
37.5°	1249.5
40°	1031.3
42.5°	858.4
45°	724.6
47.5°	619.6
50°	537.2
52.5°	473.4
55°	422.0
57.5°	372.6
60°	327.3
62.5°	284.1
65°	242.9
67.5°	203.8
70°	166.7
72.5°	131.7
75°	98.8
77.5°	70.0
80°	45.3
82.5°	24.7
85°	10.3
87.5°	2.1
90°	0.0

(END OF REPORT)