

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: P365734

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5136.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

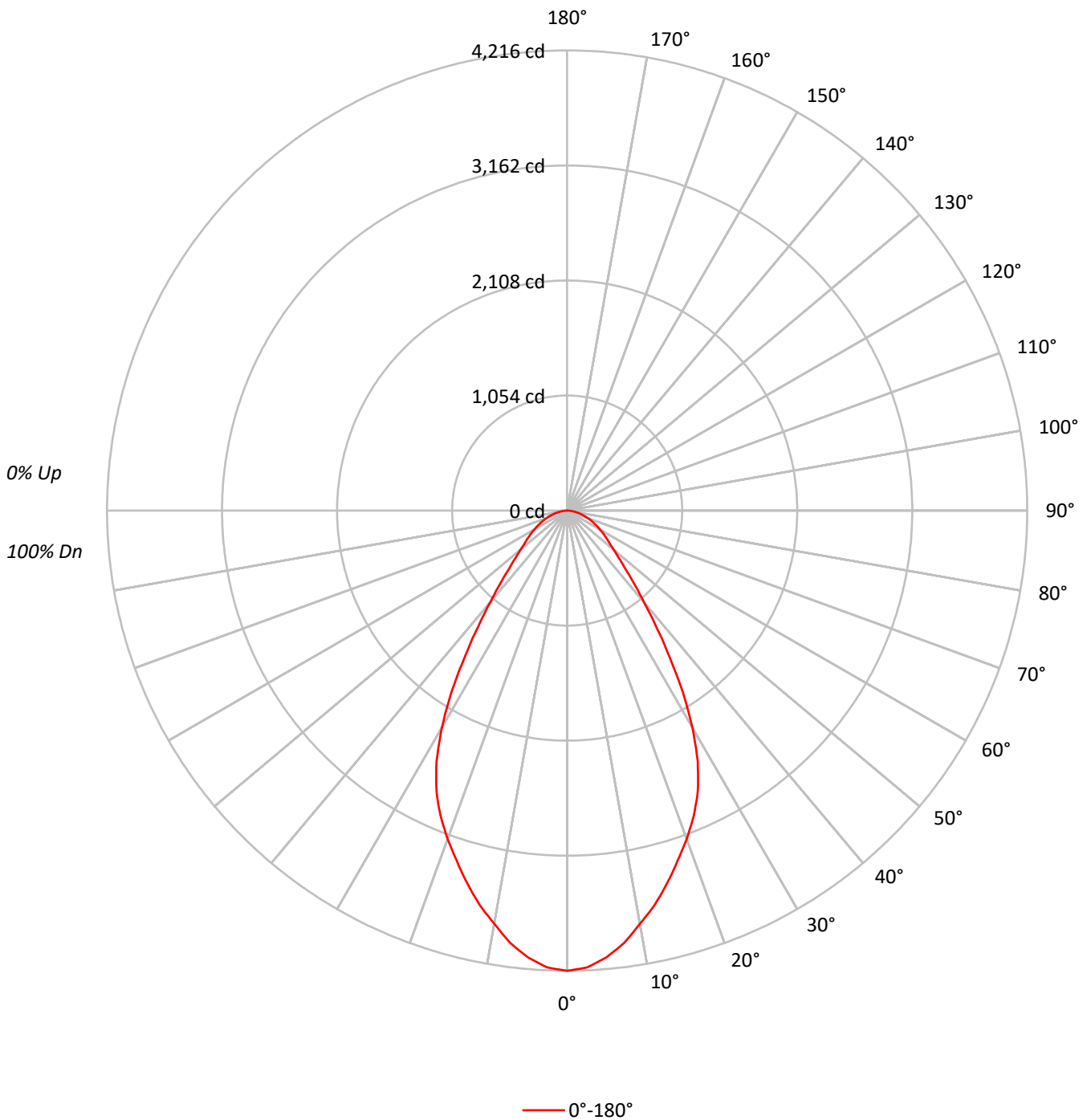
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	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	63	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115172
5°	112686
10°	106611
15°	100005
20°	93039
25°	85405
30°	72371
35°	54360
40°	39006
45°	29181
50°	23517
55°	20864
60°	18962
65°	17380
70°	15909
75°	14564
80°	12977
85°	10687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.9	7.5
10°-20°	991.5	19.3
20°-30°	1284.1	25.0
30°-40°	1027.8	20.0
40°-50°	599.4	11.7
50°-60°	395.0	7.7
60°-70°	268.1	5.2
70°-80°	146.7	2.9
80°-90°	39.5	0.8
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°	2659.5	51.8
0°-40°	3687.4	71.8
0°-60°	4681.8	91.2
0°-90°	5136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5136.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4216	
5°	4110	384
15°	3536	991
25°	2834	1284
35°	1630	1028
45°	755	599
55°	438	395
65°	269	268
75°	138	147
85°	34	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4216.4
2.5°	4189.4
5°	4109.7
7.5°	3995.9
10°	3843.7
12.5°	3701.4
15°	3536.4
17.5°	3364.3
20°	3200.7
22.5°	3030.0
25°	2833.7
27.5°	2590.4
30°	2294.5
32.5°	1974.5
35°	1630.2
37.5°	1341.4
40°	1093.9
42.5°	906.2
45°	755.4
47.5°	640.1
50°	553.4
52.5°	487.9
55°	438.1
57.5°	392.6
60°	347.1
62.5°	307.3
65°	268.9
67.5°	234.7
70°	199.2
72.5°	167.9
75°	138.0
77.5°	109.5
80°	82.5
82.5°	56.9
85°	34.1
87.5°	12.8
90°	0.0

(END OF REPORT)