

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: P366436

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)
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-WMH
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5465.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

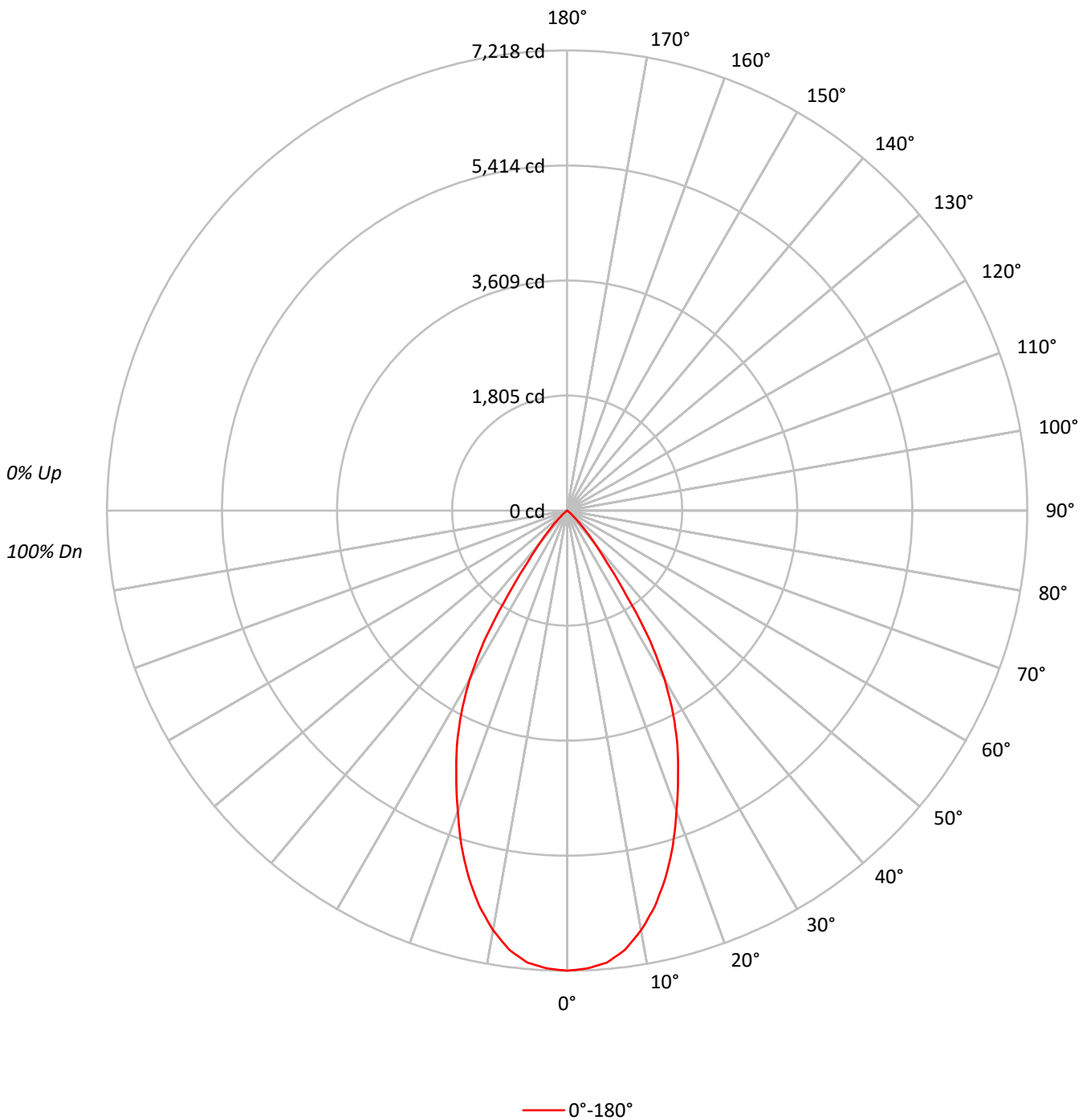
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	64	59	56	64	59	55	63	58	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	197153
5°	195184
10°	185408
15°	168550
20°	145815
25°	123483
30°	96377
35°	53653
40°	23509
45°	9449
50°	2601
55°	457
60°	311
65°	246
70°	152
75°	201
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.5	12.2
10°-20°	1653.8	30.3
20°-30°	1857.7	34.0
30°-40°	1051.1	19.2
40°-50°	216.7	4.0
50°-60°	15.7	0.3
60°-70°	3.3	0.1
70°-80°	1.2	0.0
80°-90°	0.0	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°	4177.0	76.4
0°-40°	5228.1	95.7
0°-60°	5460.4	99.9
0°-90°	5465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5465.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7218	
5°	7118	665
15°	5960	1654
25°	4097	1858
35°	1609	1051
45°	245	217
55°	10	16
65°	4	3
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7217.7
2.5°	7187.2
5°	7118.4
7.5°	6948.3
10°	6684.6
12.5°	6355.9
15°	5960.3
17.5°	5511.2
20°	5016.3
22.5°	4542.4
25°	4097.1
27.5°	3604.1
30°	3055.6
32.5°	2417.4
35°	1609.0
37.5°	1009.0
40°	659.3
42.5°	416.6
45°	244.6
47.5°	129.9
50°	61.2
52.5°	21.0
55°	9.6
57.5°	7.6
60°	5.7
62.5°	3.8
65°	3.8
67.5°	1.9
70°	1.9
72.5°	1.9
75°	1.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)