

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: P366468

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4444.1 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

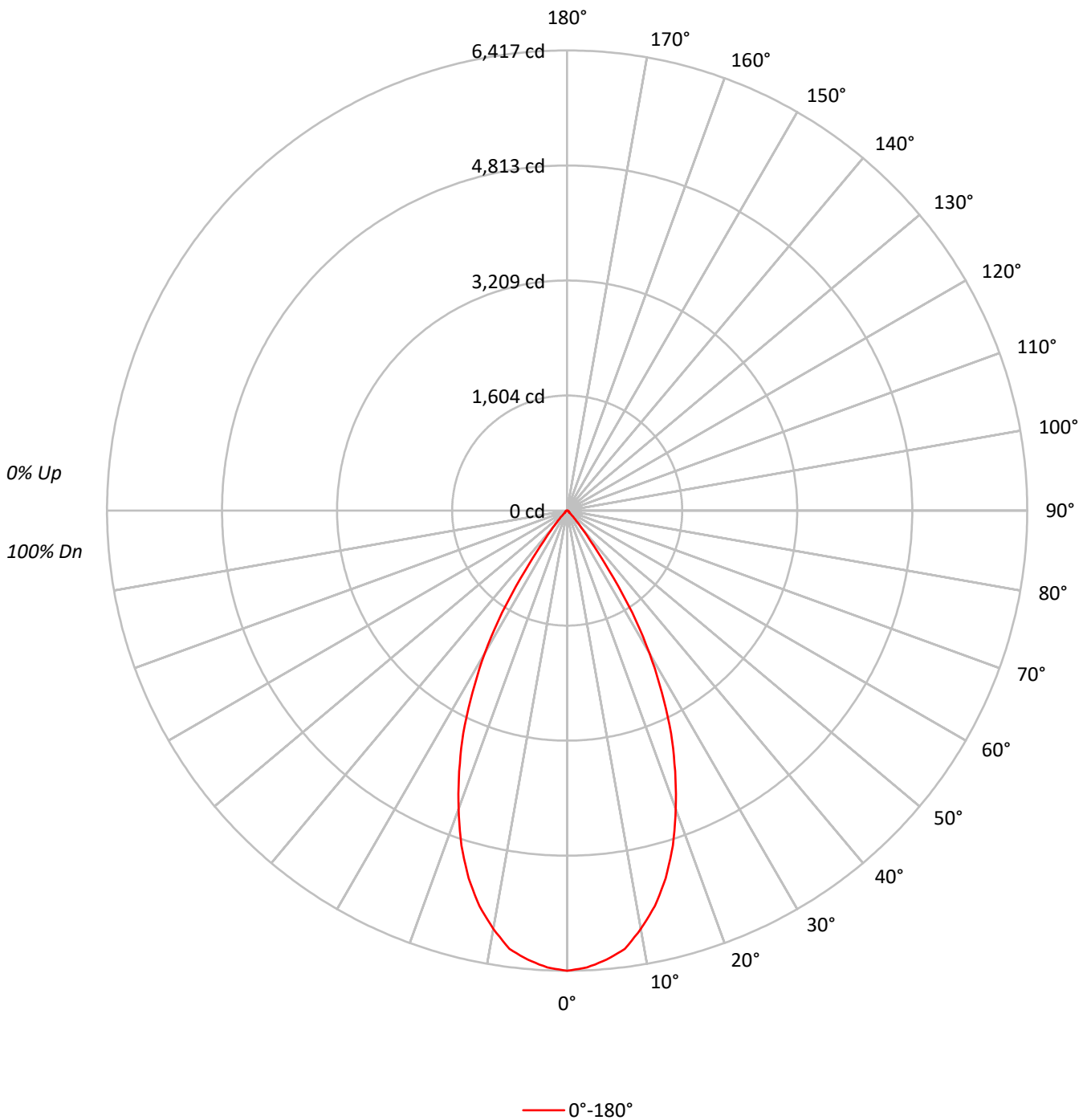
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	459462
5°	451895
10°	430582
15°	393462
20°	337416
25°	270738
30°	189822
35°	87698
40°	28153
45°	9093
50°	4222
55°	3733
60°	3709
65°	3372
70°	3350
75°	3873
80°	4948
85°	8215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.6	13.3
10°-20°	1468.8	33.1
20°-30°	1542.6	34.7
30°-40°	684.5	15.4
40°-50°	88.5	2.0
50°-60°	27.6	0.6
60°-70°	19.5	0.4
70°-80°	14.3	0.3
80°-90°	8.7	0.2
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°	3601.0	81.0
0°-40°	4285.5	96.4
0°-60°	4401.6	99.0
0°-90°	4444.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4444.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6417	
5°	6287	590
15°	5308	1469
25°	3427	1543
35°	1003	685
45°	90	88
55°	30	28
65°	20	19
75°	14	14
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6416.9
2.5°	6377.0
5°	6287.2
7.5°	6165.6
10°	5922.2
12.5°	5648.9
15°	5307.9
17.5°	4898.9
20°	4428.2
22.5°	3933.5
25°	3426.9
27.5°	2858.4
30°	2295.9
32.5°	1687.5
35°	1003.3
37.5°	534.6
40°	301.2
42.5°	165.6
45°	89.8
47.5°	45.9
50°	37.9
52.5°	33.9
55°	29.9
57.5°	27.9
60°	25.9
62.5°	21.9
65°	19.9
67.5°	16.0
70°	16.0
72.5°	14.0
75°	14.0
77.5°	12.0
80°	12.0
82.5°	10.0
85°	10.0
87.5°	6.0
90°	0.0

(END OF REPORT)