

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: P366466

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366466
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4505.0 lumens
Efficiency: N/A
Efficacy: 77.5 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

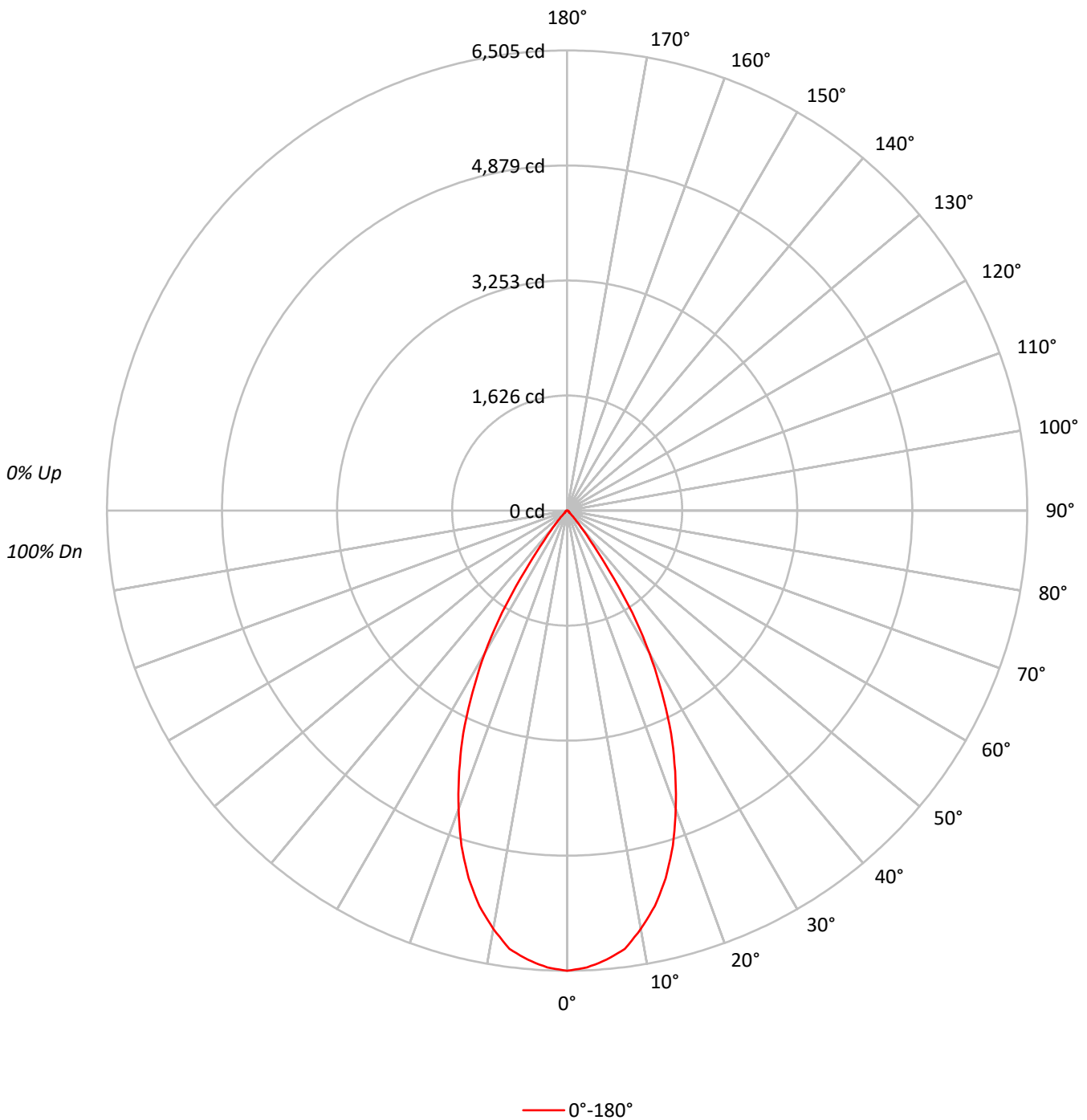
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	465770
5°	458098
10°	436493
15°	398859
20°	342049
25°	274452
30°	192426
35°	88904
40°	28536
45°	9215
50°	4277
55°	3782
60°	3766
65°	3422
70°	3391
75°	3928
80°	4989
85°	8298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.7	13.3
10°-20°	1489.0	33.1
20°-30°	1563.7	34.7
30°-40°	693.9	15.4
40°-50°	89.6	2.0
50°-60°	28.0	0.6
60°-70°	19.7	0.4
70°-80°	14.4	0.3
80°-90°	8.8	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°	3650.4	81.0
0°-40°	4344.3	96.4
0°-60°	4462.0	99.0
0°-90°	4505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4505.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6505	
5°	6374	598
15°	5381	1489
25°	3474	1564
35°	1017	694
45°	91	90
55°	30	28
65°	20	20
75°	14	14
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6505.0
2.5°	6464.5
5°	6373.5
7.5°	6250.2
10°	6003.5
12.5°	5726.5
15°	5380.7
17.5°	4966.2
20°	4489.0
22.5°	3987.5
25°	3473.9
27.5°	2897.6
30°	2327.4
32.5°	1710.7
35°	1017.1
37.5°	541.9
40°	305.3
42.5°	167.8
45°	91.0
47.5°	46.5
50°	38.4
52.5°	34.4
55°	30.3
57.5°	28.3
60°	26.3
62.5°	22.2
65°	20.2
67.5°	16.2
70°	16.2
72.5°	14.2
75°	14.2
77.5°	12.1
80°	12.1
82.5°	10.1
85°	10.1
87.5°	6.1
90°	0.0

(END OF REPORT)