

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: P365710

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-MW-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3370.9 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

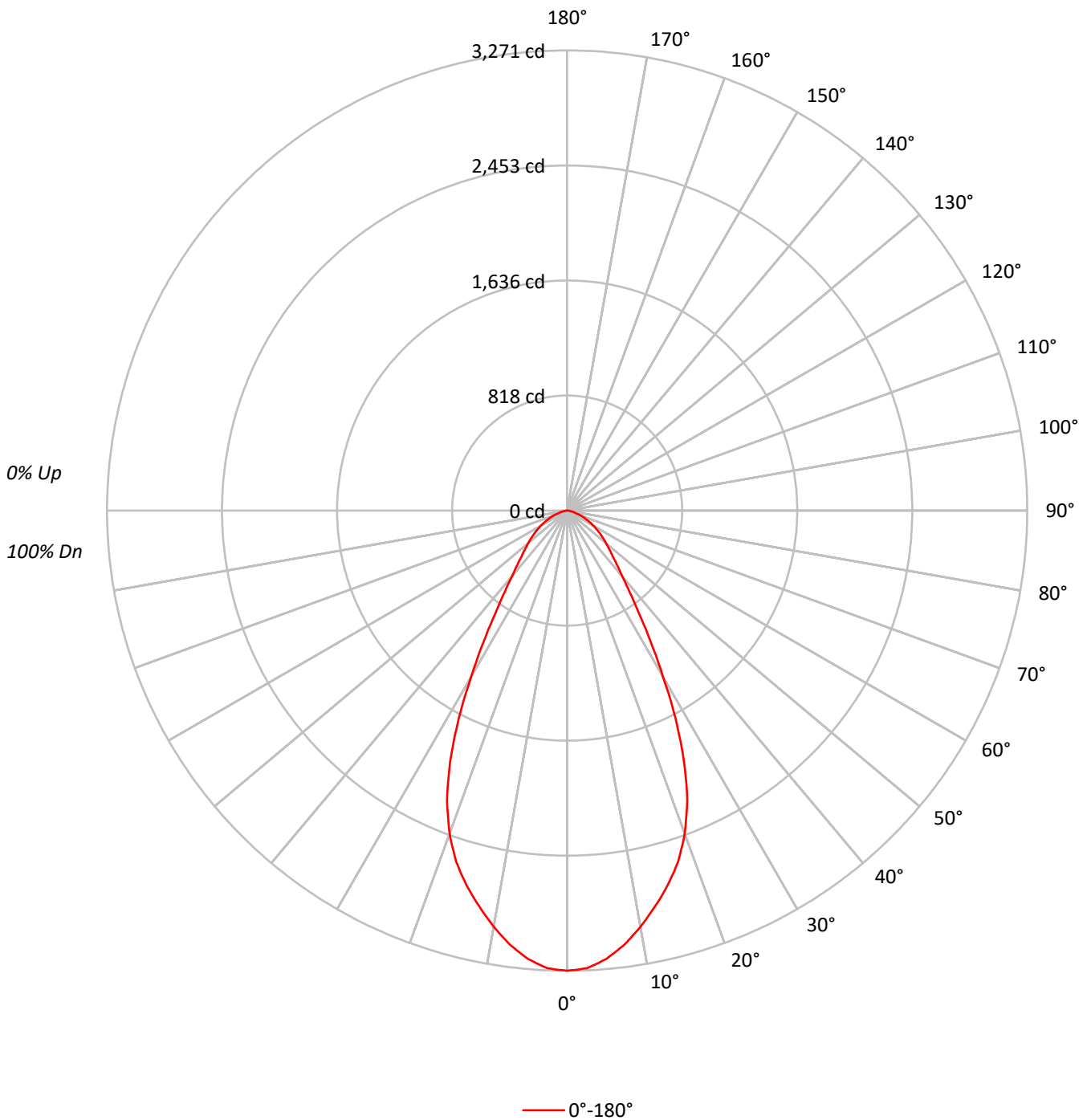
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	234231
5°	229908
10°	218396
15°	204533
20°	186218
25°	155337
30°	112641
35°	77497
40°	56979
45°	46246
50°	40224
55°	35540
60°	30918
65°	26227
70°	21207
75°	15326
80°	10226
85°	11009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.1	8.9
10°-20°	770.7	22.9
20°-30°	884.4	26.2
30°-40°	572.4	17.0
40°-50°	359.6	10.7
50°-60°	255.9	7.6
60°-70°	154.3	4.6
70°-80°	61.3	1.8
80°-90°	13.3	0.4
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°	1954.2	58.0
0°-40°	2526.5	74.9
0°-60°	3142.0	93.2
0°-90°	3370.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3370.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3271	
5°	3199	299
15°	2759	771
25°	1966	884
35°	887	572
45°	457	360
55°	285	256
65°	155	154
75°	55	61
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3271.3
2.5°	3256.0
5°	3198.7
7.5°	3112.7
10°	3003.8
12.5°	2883.4
15°	2759.2
17.5°	2619.7
20°	2443.9
22.5°	2231.8
25°	1966.2
27.5°	1670.1
30°	1362.4
32.5°	1102.5
35°	886.6
37.5°	728.0
40°	609.6
42.5°	523.6
45°	456.7
47.5°	405.1
50°	361.1
52.5°	322.9
55°	284.7
57.5°	250.3
60°	215.9
62.5°	185.4
65°	154.8
67.5°	126.1
70°	101.3
72.5°	76.4
75°	55.4
77.5°	38.2
80°	24.8
82.5°	15.3
85°	13.4
87.5°	7.6
90°	0.0

(END OF REPORT)