

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: P364987

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
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-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4214.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

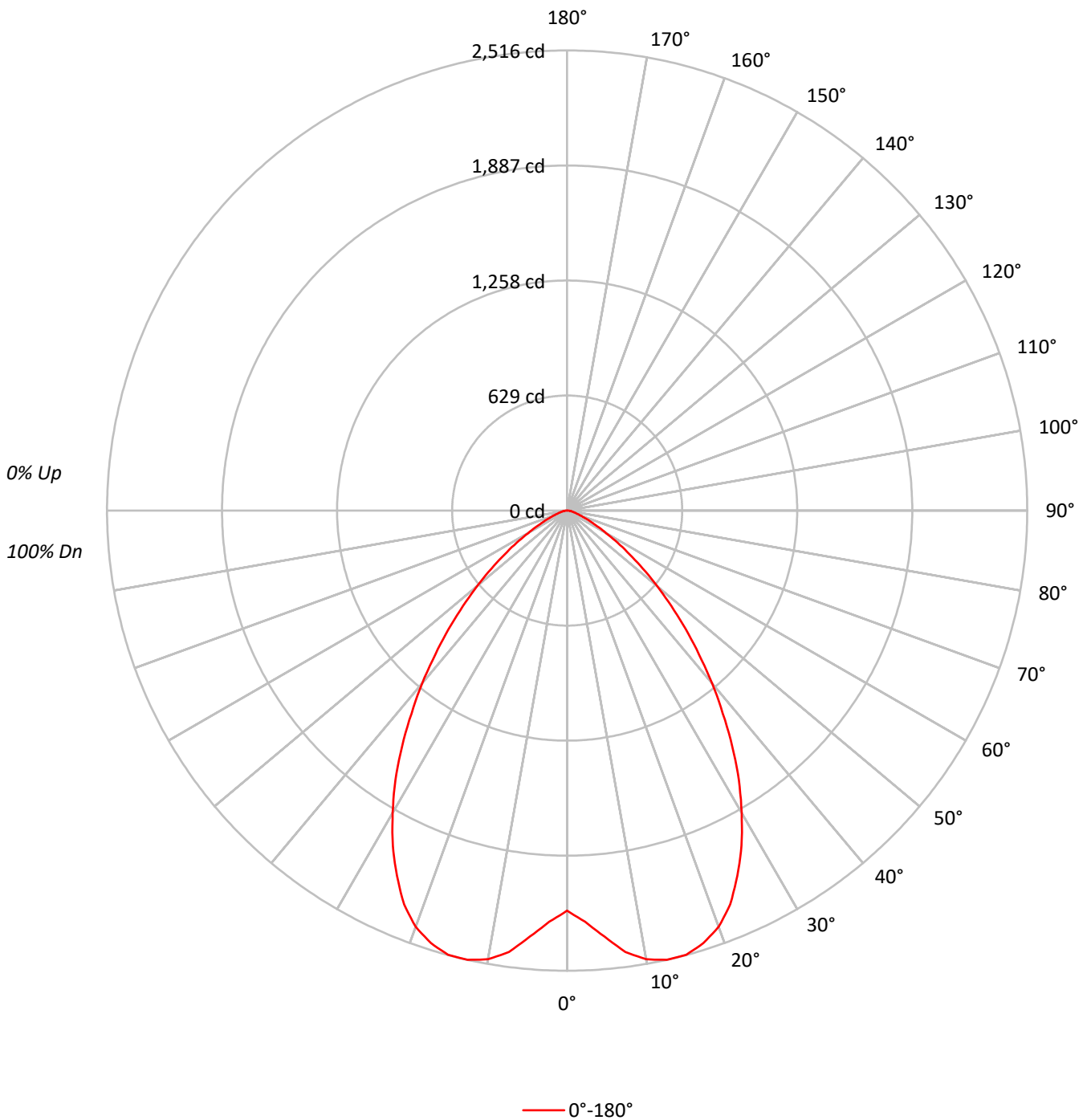
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156615
5°	168059
10°	181112
15°	186357
20°	184572
25°	174014
30°	157784
35°	137592
40°	115351
45°	92846
50°	71503
55°	51981
60°	35285
65°	23296
70°	15199
75°	11619
80°	10226
85°	12570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	5.4
10°-20°	705.3	16.7
20°-30°	1007.0	23.9
30°-40°	979.7	23.2
40°-50°	708.7	16.8
50°-60°	379.9	9.0
60°-70°	143.2	3.4
70°-80°	47.1	1.1
80°-90°	14.8	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°	1940.6	46.1
0°-40°	2920.3	69.3
0°-60°	4008.9	95.1
0°-90°	4214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4214.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2187	
5°	2338	228
15°	2514	705
25°	2203	1007
35°	1574	980
45°	917	709
55°	416	380
65°	138	143
75°	42	47
85°	15	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2187.3
2.5°	2250.3
5°	2338.2
7.5°	2433.7
10°	2491.0
12.5°	2515.9
15°	2514.0
17.5°	2479.6
20°	2422.3
22.5°	2330.6
25°	2202.6
27.5°	2065.0
30°	1908.4
32.5°	1747.9
35°	1574.1
37.5°	1398.3
40°	1234.1
42.5°	1066.0
45°	916.9
47.5°	771.8
50°	641.9
52.5°	521.5
55°	416.4
57.5°	326.7
60°	246.4
62.5°	185.3
65°	137.5
67.5°	99.3
70°	72.6
72.5°	55.4
75°	42.0
77.5°	32.5
80°	24.8
82.5°	19.1
85°	15.3
87.5°	7.6
90°	0.0

(END OF REPORT)