

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: P364969

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364969
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: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3981.0 lumens
Efficiency: N/A
Efficacy: 72.3 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

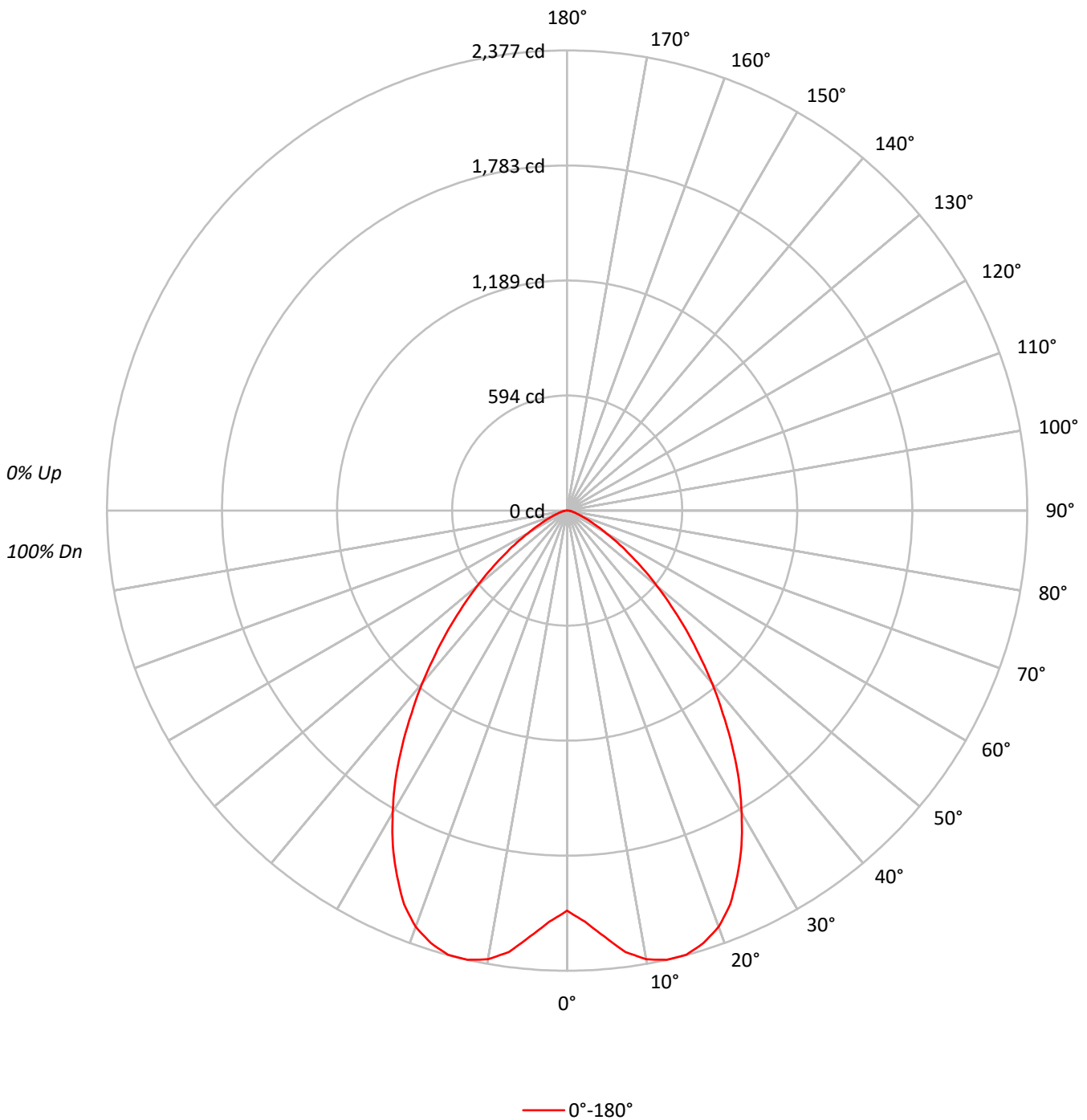
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	147958
5°	158765
10°	171100
15°	176053
20°	174362
25°	164391
30°	149061
35°	129987
40°	108967
45°	87712
50°	67549
55°	49110
60°	33338
65°	22008
70°	14361
75°	10983
80°	9690
85°	11830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.7	5.4
10°-20°	666.3	16.7
20°-30°	951.4	23.9
30°-40°	925.6	23.2
40°-50°	669.5	16.8
50°-60°	358.9	9.0
60°-70°	135.3	3.4
70°-80°	44.5	1.1
80°-90°	14.0	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°	1833.3	46.1
0°-40°	2758.8	69.3
0°-60°	3787.2	95.1
0°-90°	3981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3981.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2066	
5°	2209	216
15°	2375	666
25°	2081	951
35°	1487	926
45°	866	669
55°	393	359
65°	130	135
75°	40	44
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2066.4
2.5°	2125.9
5°	2208.9
7.5°	2299.2
10°	2353.3
12.5°	2376.8
15°	2375.0
17.5°	2342.5
20°	2288.3
22.5°	2201.7
25°	2080.8
27.5°	1950.9
30°	1802.9
32.5°	1651.3
35°	1487.1
37.5°	1321.0
40°	1165.8
42.5°	1007.0
45°	866.2
47.5°	729.1
50°	606.4
52.5°	492.7
55°	393.4
57.5°	308.6
60°	232.8
62.5°	175.1
65°	129.9
67.5°	93.8
70°	68.6
72.5°	52.3
75°	39.7
77.5°	30.7
80°	23.5
82.5°	18.0
85°	14.4
87.5°	7.2
90°	0.0

(END OF REPORT)