

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: 17284

Luminaire Tested: **S7/148R/2T8/ETG4D/UBE-SI-S46**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 17284
Test Lab: LUMINAIRE TESTING LABORATORY, INC.
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S7/148R/2T8/ETG4D/UBE-SI-S46
Description: FORMED WHITE ENAMEL STEEL AND ALUMINUM HOUSING, FORMED
WHITE ENAMEL STEEL REFLECTOR, TRANSLUCENT WHITE PLASTIC
ENCLOSURE.
Light Source: TWO 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2850 LUMENS
EACH
PHILIPS F32T8/TL835/ALTO
Ballast/Driver: ONE UNIVERSAL LIGHTING TECHNOLOGIES B232IUNVHP-B

Summary

Lumens per Lamp: 2850 (2 lamps)
Luminaire Lumens: 2554.9 lumens
Efficiency: 44.8%
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.2 / 1.33
Luminous Opening: Rectangular (W 0.92' x L: 3.93' x H: 0')
CIE Type: Direct

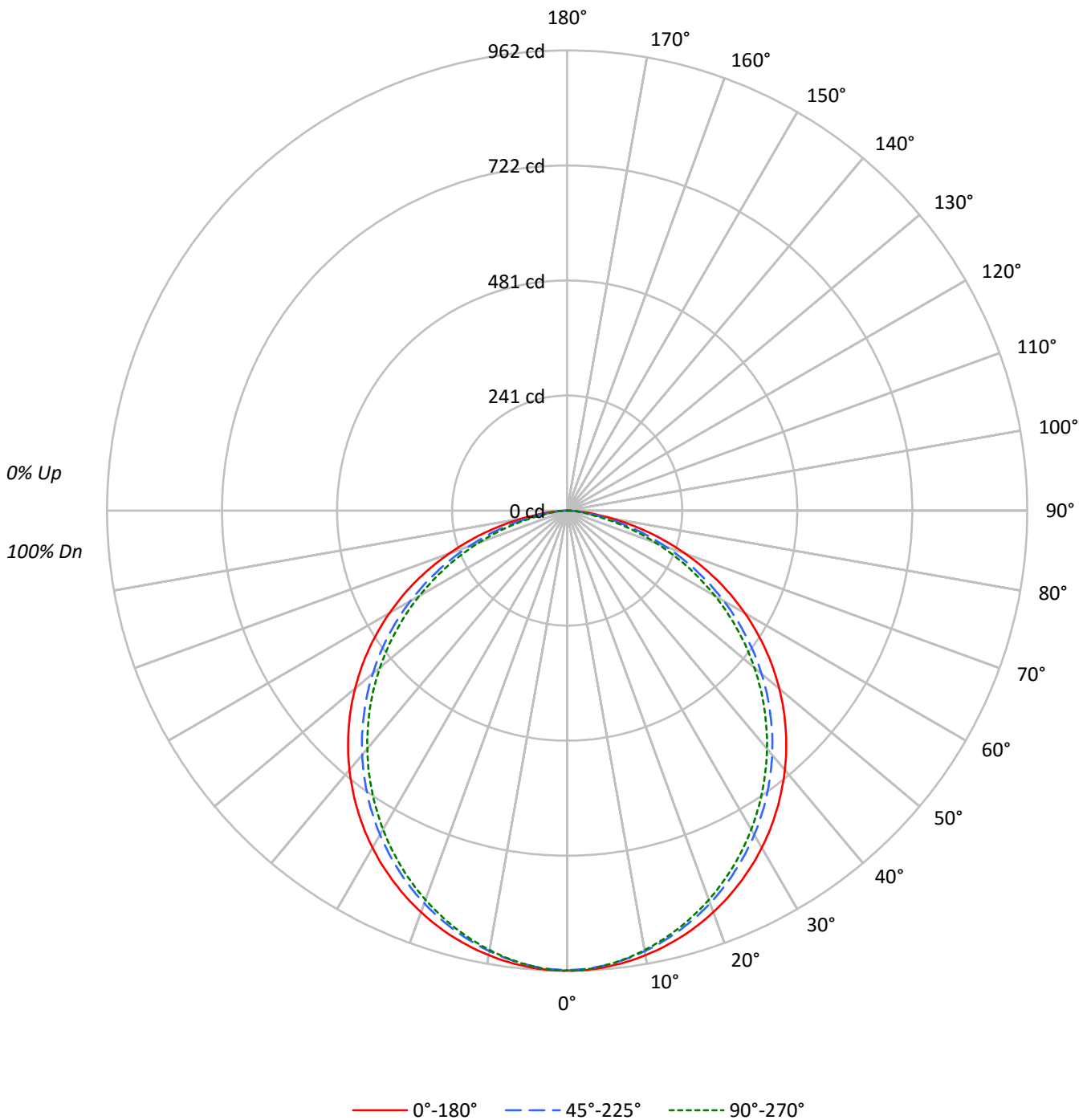
Input Watts (W): 56.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

Luminous Intensity Polar Plot





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CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

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	50	30	10	0	
RCR																						
0	53	53	53	53	52	52	52	52	50	50	50	48	48	48	46	46	46	45				45
1	49	47	45	43	48	46	44	43	44	43	41	42	41	40	41	40	39	38				38
2	45	41	38	36	43	40	37	35	39	36	34	37	35	33	36	34	33	32				32
3	41	36	32	30	40	35	32	29	34	31	29	33	30	28	32	30	28	27				27
4	37	32	28	25	36	31	28	25	30	27	25	29	27	24	28	26	24	23				23
5	34	29	25	22	33	28	24	22	27	24	21	26	23	21	25	23	21	20				20
6	32	26	22	19	31	25	22	19	25	21	19	24	21	19	23	20	18	17				17
7	29	23	20	17	29	23	19	17	22	19	17	22	19	16	21	18	16	15				15
8	27	21	18	15	27	21	17	15	20	17	15	20	17	15	19	17	15	14				14
9	26	20	16	13	25	19	16	13	19	16	13	18	15	13	18	15	13	12				12
10	24	18	15	12	23	18	15	12	17	14	12	17	14	12	17	14	12	11				11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2873	2873	2873
5°	2872	2861	2861
10°	2864	2839	2832
15°	2855	2811	2796
20°	2842	2779	2754
25°	2826	2741	2708
30°	2808	2700	2657
35°	2787	2654	2600
40°	2762	2601	2535
45°	2730	2540	2463
50°	2693	2467	2376
55°	2639	2378	2268
60°	2565	2262	2134
65°	2459	2111	1959
70°	2294	1908	1726
75°	2044	1630	1378
80°	1656	1214	902
85°	1104	830	792



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	90.5	3.5	1.6
10°-20°	256.8	10.0	4.5
20°-30°	384.5	15.1	6.7
30°-40°	457.7	17.9	8.0
40°-50°	467.6	18.3	8.2
50°-60°	412.8	16.2	7.2
60°-70°	300.7	11.8	5.3
70°-80°	152.9	6.0	2.7
80°-90°	31.4	1.2	0.6
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	731.8	28.6	12.8
0°-40°	1189.5	46.6	20.9
0°-60°	2069.8	81.0	36.3
0°-90°	2554.9	100.0	44.8
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	2554.9	100.0	44.8

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	961	961	961	961	961	
5°	957	955	953	953	954	91
15°	922	916	908	904	904	260
25°	857	846	831	823	821	395
35°	764	747	727	715	712	478
45°	646	625	601	586	583	498
55°	506	483	456	439	435	452
65°	348	324	298	282	277	343
75°	177	161	141	125	119	187
85°	32	28	24	23	23	39
90°	0	0	0	0	0	1
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	961.2	961.2	961.2	961.2	961.2
0.5°	962.0	960.5	960.4	961.5	962.1
1°	961.7	960.2	960.1	961.1	961.5
1.5°	961.6	960.0	959.6	960.6	961.2
2°	961.3	959.5	959.3	960.0	960.4
2.5°	961.1	958.9	958.6	959.3	959.5
3°	960.1	958.4	957.8	958.3	958.9
3.5°	959.8	957.5	957.0	957.3	957.4
4°	959.0	956.8	955.8	956.1	956.2
4.5°	958.4	955.8	954.6	954.6	955.0
5°	957.2	954.9	953.4	953.4	953.5
5.5°	956.2	953.7	951.9	951.7	951.9
6°	955.1	952.4	950.5	950.1	950.3
6.5°	953.9	951.1	949.0	948.3	948.4
7°	952.8	949.8	947.4	946.7	946.5
7.5°	951.6	948.3	945.5	944.6	944.5
8°	950.1	946.6	943.7	942.7	942.6
8.5°	948.7	945.1	941.6	940.4	940.3
9°	947.1	943.3	939.7	938.2	937.8
9.5°	945.6	941.4	937.5	935.8	935.5
10°	943.7	939.5	935.2	933.3	932.9
10.5°	942.0	937.6	932.9	930.9	930.3
11°	940.1	935.5	930.5	928.2	927.8
11.5°	938.2	933.3	928.2	925.6	924.9
12°	936.2	931.1	925.7	922.7	922.1
12.5°	934.1	928.8	922.9	919.9	919.2
13°	931.8	926.2	920.2	916.9	916.4
13.5°	929.6	923.9	917.3	913.7	913.0
14°	927.3	921.3	914.5	910.8	909.9
14.5°	925.0	918.6	911.5	907.6	906.8
15°	922.5	915.9	908.5	904.2	903.5
15.5°	920.0	913.0	905.3	900.8	900.2
16°	917.6	910.2	902.1	897.6	896.5
16.5°	914.6	907.1	898.7	893.9	892.9
17°	911.8	904.0	895.5	890.3	889.1
17.5°	908.9	901.1	892.1	886.6	885.3
18°	906.1	898.0	888.5	882.9	881.7
18.5°	903.0	894.7	884.8	879.0	878.0
19°	899.9	891.3	881.2	875.0	874.0
19.5°	896.4	888.0	877.3	871.1	869.9
20°	893.3	884.3	873.6	867.1	865.9
20.5°	890.1	880.7	869.7	863.1	861.7
21°	886.5	877.3	865.8	858.8	857.4
21.5°	883.4	873.3	861.7	854.6	853.0
22°	879.7	869.6	857.6	850.3	848.8



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	876.2	865.7	853.4	845.9	844.0
23°	872.6	861.9	849.2	841.4	839.8
23.5°	868.8	857.8	844.8	836.8	835.1
24°	864.9	853.9	840.5	832.3	830.6
24.5°	860.8	849.7	835.8	827.7	826.0
25°	856.8	845.5	831.2	823.0	821.1
25.5°	853.1	841.0	826.8	818.0	816.1
26°	848.9	836.7	822.1	813.1	811.2
26.5°	844.7	832.2	817.4	808.2	806.3
27°	840.6	827.6	812.7	803.2	801.4
27.5°	836.4	823.3	807.8	798.3	796.2
28°	832.0	818.6	802.7	793.1	791.1
28.5°	827.5	813.9	797.9	787.8	785.7
29°	823.1	809.3	792.8	782.6	780.8
29.5°	818.4	804.2	787.6	777.3	775.1
30°	813.7	799.1	782.4	771.9	769.9
30.5°	809.2	794.5	777.3	766.6	764.3
31°	804.3	789.4	771.9	761.0	758.9
31.5°	799.3	784.2	766.4	755.2	753.1
32°	794.7	779.2	760.9	750.0	747.6
32.5°	789.8	773.9	755.7	744.1	741.6
33°	784.7	768.8	750.2	738.6	736.3
33.5°	779.6	763.5	744.5	732.8	730.5
34°	774.3	757.8	738.9	726.8	724.5
34.5°	769.1	752.5	733.1	721.0	718.4
35°	763.7	747.0	727.2	715.2	712.5
35.5°	758.5	741.3	721.4	709.0	706.6
36°	753.2	735.5	715.6	703.3	700.3
36.5°	747.7	730.0	709.7	697.1	694.2
37°	742.4	724.4	703.6	690.9	688.1
37.5°	736.5	718.5	697.5	684.8	682.0
38°	731.0	712.6	691.5	678.4	675.6
38.5°	725.2	706.8	685.5	671.9	669.2
39°	719.6	700.7	679.2	665.7	662.9
39.5°	713.9	694.8	673.1	659.4	656.6
40°	707.9	688.7	666.6	652.8	649.7
40.5°	701.9	682.3	660.3	646.4	643.5
41°	696.1	676.3	654.0	640.0	637.0
41.5°	690.2	670.1	647.6	633.4	630.5
42°	684.0	663.9	641.2	626.7	623.6
42.5°	677.9	657.3	634.6	620.1	616.8
43°	671.6	651.1	627.6	613.3	609.9
43.5°	665.3	644.7	621.1	606.6	603.0
44°	659.0	637.9	614.4	599.8	596.4
44.5°	652.5	631.3	607.6	592.6	589.6



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	645.7	624.9	600.8	585.7	582.6
45.5°	639.6	618.3	594.0	578.8	575.9
46°	633.1	611.5	587.0	571.8	568.6
46.5°	626.5	604.5	580.1	564.9	561.4
47°	620.1	598.0	573.3	558.0	554.6
47.5°	613.3	591.2	566.2	550.7	547.2
48°	606.5	584.0	559.1	543.5	539.9
48.5°	599.8	577.2	552.2	536.3	532.9
49°	592.8	570.2	545.0	529.1	525.3
49.5°	586.0	563.2	537.6	521.6	518.1
50°	579.1	556.1	530.5	514.4	511.0
50.5°	572.0	549.0	523.2	507.2	503.5
51°	564.5	541.7	515.8	499.6	496.1
51.5°	557.6	534.5	508.9	492.5	488.5
52°	550.4	527.2	501.2	484.8	481.0
52.5°	543.2	519.8	493.6	477.2	473.6
53°	536.3	512.4	486.5	469.7	466.1
53.5°	528.8	505.1	478.9	462.0	458.4
54°	521.3	497.6	471.4	454.5	450.7
54.5°	513.9	490.2	463.9	447.0	443.1
55°	506.4	482.8	456.3	439.3	435.3
55.5°	498.9	475.0	448.4	431.6	427.5
56°	491.3	467.4	440.9	424.0	420.2
56.5°	483.7	459.6	433.0	416.2	411.8
57°	475.8	451.9	425.3	408.3	404.1
57.5°	468.4	444.4	417.7	400.7	396.2
58°	460.4	436.6	409.8	392.7	388.3
58.5°	452.8	428.8	402.2	385.0	380.6
59°	445.4	421.1	394.5	377.2	373.0
59.5°	437.3	413.0	386.4	369.2	364.8
60°	429.1	405.2	378.4	361.2	356.9
60.5°	421.3	397.1	370.5	353.5	349.0
61°	413.2	389.3	362.5	345.4	340.7
61.5°	404.9	381.2	354.4	337.5	333.0
62°	397.2	373.3	346.6	329.5	324.8
62.5°	389.1	365.1	338.7	321.3	316.7
63°	381.1	357.1	330.6	313.4	308.9
63.5°	372.7	348.8	322.6	305.6	301.3
64°	364.5	340.8	314.5	297.4	292.8
64.5°	356.0	332.6	306.4	289.3	285.1
65°	347.6	324.5	298.5	281.6	277.0
65.5°	339.4	316.2	290.5	273.5	268.8
66°	330.9	308.0	282.3	265.5	260.5
66.5°	322.5	299.9	274.1	257.7	252.7
67°	313.8	291.4	266.1	249.5	244.7



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	305.4	283.5	258.3	241.6	237.1
68°	296.9	274.9	250.1	233.9	229.2
68.5°	288.1	266.5	242.2	225.6	220.9
69°	279.9	258.5	234.0	217.8	213.2
69.5°	271.2	250.3	226.2	210.0	205.3
70°	262.5	242.0	218.3	202.2	197.5
70.5°	254.1	233.7	210.3	194.5	189.4
71°	245.6	225.6	202.4	186.9	181.7
71.5°	236.8	217.3	194.6	178.8	173.7
72°	228.1	209.2	186.8	171.2	165.8
72.5°	219.7	201.2	179.1	163.3	158.0
73°	210.9	192.8	171.2	155.6	150.1
73.5°	202.6	184.8	163.6	147.8	142.6
74°	193.9	176.9	156.0	140.2	135.0
74.5°	185.4	168.9	148.5	132.6	127.2
75°	177.0	160.9	141.1	125.1	119.3
75.5°	168.7	153.3	133.7	117.8	112.3
76°	160.1	145.5	126.7	110.3	104.8
76.5°	151.7	137.8	119.1	103.1	97.8
77°	143.8	130.3	112.0	96.0	91.2
77.5°	135.4	122.5	104.7	89.4	84.0
78°	127.5	115.3	97.6	82.6	77.6
78.5°	119.6	108.1	90.5	75.8	71.2
79°	111.5	101.0	83.6	69.5	64.9
79.5°	103.5	94.0	76.9	63.2	58.3
80°	96.2	87.3	70.5	57.3	52.4
80.5°	88.8	80.6	64.3	51.6	48.7
81°	81.6	74.1	58.2	46.5	45.7
81.5°	74.8	67.9	52.3	43.5	43.1
82°	67.7	61.6	46.8	40.5	40.0
82.5°	61.1	55.5	41.4	37.6	37.0
83°	55.0	49.6	36.3	34.8	34.4
83.5°	48.7	43.9	32.9	31.9	31.5
84°	42.7	38.6	30.1	29.1	28.7
84.5°	37.3	33.3	27.2	26.2	25.9
85°	32.2	28.4	24.2	23.3	23.1
85.5°	27.4	24.1	21.2	20.5	20.5
86°	22.0	20.0	18.3	18.0	17.8
86.5°	17.6	16.2	15.7	15.1	15.1
87°	13.0	13.0	13.0	12.7	12.6
87.5°	9.1	10.4	10.3	10.1	10.1
88°	5.9	7.5	7.7	7.5	7.5
88.5°	3.7	5.0	5.1	4.9	4.9
89°	1.7	2.6	2.7	2.4	2.8
89.5°	0.0	0.3	0.1	0.1	0.2



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0
124.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
125.5°	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0
126.5°	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0
128.5°	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0
129.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
130.5°	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0
131.5°	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0
133.5°	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0
134.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	0.0	0.0	0.0	0.0	0.0
135.5°	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0
136.5°	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0
138.5°	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0
139.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
140.5°	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0
141.5°	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0
143.5°	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0
144.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
145.5°	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0
146.5°	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0
148.5°	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0
149.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
150.5°	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0
151.5°	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0
153.5°	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0
154.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
155.5°	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0
156.5°	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0
158.5°	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0
159.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
160.5°	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0
161.5°	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0
163.5°	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0
164.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
165.5°	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0
166.5°	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0
168.5°	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0
169.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
170.5°	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0
171.5°	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0
173.5°	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0
174.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
175.5°	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0
176.5°	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0
178.5°	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0
179.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: 17284

CATALOG NUMBER: S7/148R/2T8/ETG4D/UBE-SI-S46

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)