

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: 17283

Luminaire Tested: **S7/148R/2T5/SR4D/UBE-SI-S46**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 17283
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/2T5/SR4D/UBE-SI-S46
Description: FORMED WHITE ENAMEL STEEL AND ALUMINUM HOUSING, FORMED
WHITE ENAMEL STEEL REFLECTOR, TRANSLUCENT WHITE PLASTIC
ENCLOSURE.
Light Source: TWO 28 WATT T5 LINEAR FLUORESCENT LAMPS RATED AT 2610 LUMENS
EACH.
PHILIPS F28T5/835
Ballast/Driver: ONE UNIVERSAL LIGHTING TECHNOLOGIES B228PUNV-C

Summary

Lumens per Lamp: 2610 (2 lamps)
Luminaire Lumens: 2366.6 lumens
Efficiency: 45.3%
Efficacy: 38.8 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

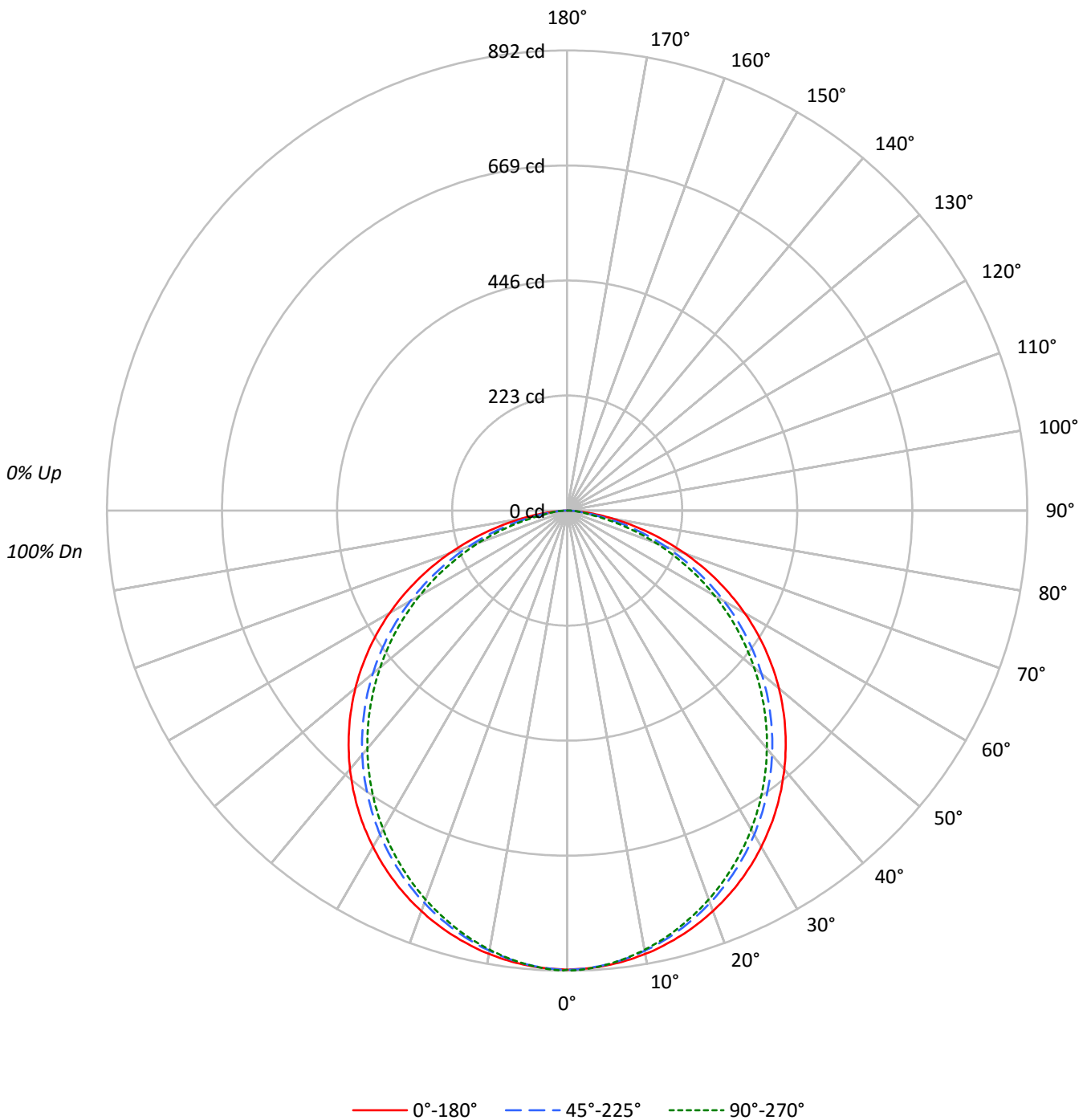
Input Watts (W): 61
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	54	54	54	54	53	53	53	53	50	50	50	48	48	48	46	46	46	45
1	50	47	46	44	48	46	45	43	44	43	42	43	42	41	41	40	39	38
2	45	41	38	36	44	41	38	36	39	37	35	38	36	34	36	35	33	32
3	41	36	33	30	40	36	32	30	34	32	29	33	31	29	32	30	28	27
4	38	32	28	25	37	32	28	25	31	27	25	30	27	25	29	26	24	23
5	35	29	25	22	34	28	25	22	27	24	22	27	24	21	26	23	21	20
6	32	26	22	19	31	26	22	19	25	21	19	24	21	19	23	21	19	18
7	30	24	20	17	29	23	20	17	23	19	17	22	19	17	21	19	17	16
8	28	22	18	15	27	21	18	15	21	17	15	20	17	15	20	17	15	14
9	26	20	16	14	25	20	16	14	19	16	14	19	16	13	18	15	13	13
10	24	18	15	12	24	18	15	12	18	14	12	17	14	12	17	14	12	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2661	2661	2661
5°	2655	2650	2651
10°	2648	2630	2624
15°	2639	2605	2590
20°	2628	2575	2552
25°	2614	2541	2509
30°	2598	2503	2462
35°	2578	2461	2409
40°	2556	2412	2351
45°	2527	2354	2281
50°	2493	2288	2200
55°	2443	2204	2102
60°	2375	2098	1975
65°	2275	1957	1810
70°	2128	1767	1593
75°	1892	1506	1273
80°	1534	1117	826
85°	1025	765	731



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	83.8	3.5	1.6
10°-20°	237.8	10.0	4.6
20°-30°	356.2	15.1	6.8
30°-40°	424.1	17.9	8.1
40°-50°	433.3	18.3	8.3
50°-60°	382.6	16.2	7.3
60°-70°	278.5	11.8	5.3
70°-80°	141.3	6.0	2.7
80°-90°	28.9	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°	677.9	28.6	13.0
0°-40°	1102.0	46.6	21.1
0°-60°	1917.8	81.0	36.7
0°-90°	2366.6	100.0	45.3
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°	2366.6	100.0	45.3

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	890	890	890	890	890	
5°	885	884	883	883	884	84
15°	853	848	842	838	837	241
25°	793	783	770	763	761	365
35°	706	692	674	663	660	442
45°	598	579	557	543	540	461
55°	469	447	423	407	403	419
65°	322	301	277	261	256	318
75°	164	149	130	115	110	174
85°	30	26	22	22	21	36
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	890.2	890.2	890.2	890.2	890.2
0.5°	889.5	889.6	889.9	890.9	891.5
1°	889.3	889.5	889.7	890.7	891.3
1.5°	889.0	889.3	889.2	890.2	890.6
2°	888.8	888.8	888.8	889.5	890.0
2.5°	888.4	888.4	888.1	888.7	889.4
3°	887.7	887.9	887.3	887.9	888.3
3.5°	887.1	887.1	886.4	887.0	887.2
4°	886.6	886.3	885.5	885.8	886.0
4.5°	885.8	885.5	884.5	884.5	884.9
5°	885.0	884.4	883.3	883.2	883.5
5.5°	884.0	883.5	881.9	881.8	882.0
6°	883.1	882.2	880.6	880.3	880.3
6.5°	882.0	881.2	879.2	878.6	878.8
7°	880.9	879.8	877.7	876.9	877.0
7.5°	879.7	878.3	875.9	875.2	875.0
8°	878.6	876.8	874.2	873.2	873.1
8.5°	877.2	875.3	872.5	871.2	871.1
9°	875.6	873.7	870.6	869.1	868.9
9.5°	874.2	872.1	868.5	867.0	866.8
10°	872.5	870.2	866.4	864.8	864.5
10.5°	871.0	868.4	864.3	862.4	861.9
11°	869.5	866.5	862.3	860.0	859.5
11.5°	867.6	864.5	860.0	857.4	857.0
12°	865.7	862.4	857.7	854.9	854.5
12.5°	863.8	860.3	855.0	852.2	851.8
13°	861.5	857.8	852.6	849.5	848.9
13.5°	859.5	855.7	850.0	846.7	846.0
14°	857.5	853.3	847.3	843.8	843.1
14.5°	855.1	850.9	844.5	840.8	839.9
15°	852.9	848.4	841.7	837.8	837.0
15.5°	850.6	845.8	838.8	834.7	833.8
16°	848.2	843.0	835.9	831.6	830.8
16.5°	845.6	840.3	832.7	828.3	827.2
17°	843.1	837.5	829.6	824.9	824.0
17.5°	840.5	834.6	826.5	821.6	820.2
18°	837.8	831.6	823.3	818.1	817.0
18.5°	835.0	828.6	819.9	814.6	813.3
19°	832.2	825.6	816.5	810.9	809.8
19.5°	829.2	822.4	813.0	807.4	805.9
20°	826.3	819.2	809.5	803.6	802.3
20.5°	823.2	815.9	805.9	799.8	798.6
21°	819.9	812.4	802.3	795.9	794.4
21.5°	816.9	809.1	798.4	791.9	790.6
22°	813.6	805.6	794.6	787.9	786.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	810.1	802.0	790.7	783.7	782.4
23°	806.9	798.4	786.7	779.7	778.3
23.5°	803.3	794.7	782.9	775.5	774.0
24°	800.1	790.8	778.8	771.2	769.5
24.5°	796.4	787.1	774.7	767.0	765.2
25°	792.6	783.2	770.4	762.6	760.8
25.5°	789.1	779.2	766.2	758.1	756.4
26°	785.3	775.3	761.9	753.7	752.0
26.5°	781.3	771.1	757.5	749.1	747.3
27°	777.6	766.9	753.0	744.4	742.5
27.5°	773.5	762.8	748.6	739.7	738.0
28°	769.5	758.4	743.9	735.0	733.1
28.5°	765.4	754.1	739.4	730.2	728.4
29°	761.1	749.7	734.8	725.4	723.5
29.5°	757.0	745.3	730.0	720.4	718.3
30°	752.8	740.6	725.2	715.6	713.4
30.5°	748.2	736.1	720.4	710.6	708.3
31°	744.0	731.5	715.4	705.4	703.3
31.5°	739.6	726.8	710.5	700.1	698.1
32°	734.9	722.0	705.5	695.1	693.1
32.5°	730.4	717.2	700.5	689.8	687.5
33°	725.7	712.3	695.2	684.6	682.3
33.5°	721.2	707.5	690.1	679.2	677.1
34°	716.2	702.3	684.8	674.0	671.3
34.5°	711.6	697.2	679.5	668.3	666.0
35°	706.5	692.2	674.3	662.9	660.3
35.5°	701.8	686.9	668.8	657.2	654.8
36°	696.8	681.8	663.4	651.7	649.2
36.5°	691.5	676.6	657.9	646.1	643.7
37°	686.6	671.1	652.4	640.4	637.8
37.5°	681.6	665.7	646.7	634.5	632.2
38°	676.2	660.4	641.0	628.8	626.2
38.5°	671.0	654.9	635.4	622.9	620.4
39°	665.5	649.2	629.6	617.1	614.2
39.5°	660.3	643.8	624.0	611.3	608.4
40°	655.0	638.1	618.2	605.2	602.5
40.5°	649.3	632.5	612.1	599.0	596.3
41°	643.8	626.8	606.2	593.2	590.3
41.5°	638.4	621.1	600.2	587.0	584.1
42°	632.6	615.2	594.2	580.8	577.8
42.5°	627.1	609.2	588.1	574.8	571.7
43°	621.3	603.3	581.9	568.5	565.3
43.5°	615.4	597.3	575.8	562.2	558.9
44°	609.5	591.3	569.5	555.8	552.8
44.5°	603.9	585.2	563.3	549.5	546.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	597.8	579.1	556.8	542.9	539.7
45.5°	591.9	573.0	550.8	536.7	533.5
46°	585.9	566.8	544.4	530.2	526.7
46.5°	579.8	560.4	538.0	523.5	520.2
47°	573.7	554.2	531.4	517.1	513.6
47.5°	567.3	547.7	525.0	510.4	507.1
48°	561.1	541.3	518.4	503.8	500.3
48.5°	554.8	534.9	512.0	497.1	493.7
49°	548.5	528.5	505.3	490.4	486.8
49.5°	542.1	521.8	498.6	483.6	480.0
50°	536.1	515.4	492.1	476.9	473.2
50.5°	529.3	508.7	485.3	470.0	466.1
51°	522.7	502.1	478.4	463.1	459.3
51.5°	516.2	495.5	471.7	456.1	452.5
52°	509.5	488.7	464.7	449.2	445.5
52.5°	502.9	481.9	457.9	442.4	438.5
53°	496.2	475.2	451.1	435.4	431.7
53.5°	489.4	468.4	444.0	428.3	424.4
54°	482.5	461.5	437.0	421.3	417.5
54.5°	475.9	454.5	430.1	414.3	410.5
55°	468.8	447.4	423.0	407.2	403.4
55.5°	462.0	440.4	415.9	400.1	396.1
56°	454.8	433.4	409.0	393.0	388.9
56.5°	447.6	426.4	401.6	385.8	381.8
57°	440.7	419.2	394.6	378.6	374.3
57.5°	433.6	412.0	387.3	371.3	367.2
58°	426.5	404.8	380.1	364.0	359.6
58.5°	419.2	397.5	372.8	356.7	352.4
59°	412.1	390.3	365.6	349.6	345.5
59.5°	404.7	383.0	358.3	342.1	337.9
60°	397.3	375.6	350.9	334.7	330.3
60.5°	390.0	368.5	343.6	327.5	323.2
61°	382.4	360.8	336.2	319.9	315.5
61.5°	374.9	353.5	328.8	312.6	308.1
62°	367.5	346.1	321.4	305.1	300.7
62.5°	359.9	338.6	314.0	297.8	293.3
63°	352.3	331.1	306.4	290.3	285.8
63.5°	344.8	323.7	299.1	283.1	278.4
64°	337.1	316.1	291.8	275.5	270.8
64.5°	329.3	308.5	284.3	268.0	263.4
65°	321.6	301.0	276.7	260.6	255.9
65.5°	314.0	293.1	269.1	253.1	248.4
66°	306.3	285.6	261.8	245.6	240.9
66.5°	298.5	278.0	254.3	238.4	233.6
67°	290.6	270.3	246.6	230.8	226.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	282.7	262.7	239.2	223.4	219.0
68°	274.9	255.0	231.8	216.1	211.6
68.5°	267.1	247.1	224.3	208.8	204.1
69°	259.2	239.6	216.9	201.4	196.9
69.5°	251.4	232.0	209.8	194.1	189.7
70°	243.5	224.4	202.2	186.6	182.3
70.5°	235.5	216.7	194.7	179.5	175.2
71°	227.3	209.2	187.6	172.4	167.8
71.5°	219.4	201.4	180.2	165.1	160.2
72°	211.5	193.8	172.9	158.0	153.0
72.5°	203.4	186.2	165.7	151.1	145.4
73°	195.6	178.8	158.5	143.6	138.3
73.5°	187.6	171.2	151.4	136.3	131.2
74°	179.6	163.8	144.4	129.4	124.2
74.5°	171.9	156.2	137.4	122.2	117.2
75°	163.8	149.0	130.4	115.3	110.2
75.5°	156.1	141.9	123.7	108.5	103.4
76°	148.3	134.5	117.1	101.7	96.6
76.5°	140.5	127.4	110.2	94.8	90.1
77°	132.9	120.6	103.3	88.4	83.5
77.5°	125.2	113.4	96.7	82.1	77.2
78°	117.7	106.4	90.1	75.7	70.9
78.5°	110.6	99.9	83.5	69.8	65.3
79°	103.2	93.2	77.1	63.8	59.3
79.5°	96.0	86.6	70.9	58.2	53.4
80°	89.1	80.6	64.9	52.7	48.0
80.5°	82.4	74.2	59.0	47.1	44.5
81°	75.8	68.2	53.5	42.4	42.0
81.5°	69.1	62.4	48.1	39.7	39.4
82°	62.6	56.5	42.9	37.0	36.7
82.5°	56.6	51.0	38.1	34.4	34.2
83°	50.9	45.5	33.4	31.8	31.5
83.5°	45.0	40.3	30.3	29.1	28.9
84°	39.6	35.2	27.6	26.8	26.3
84.5°	34.7	30.4	25.0	24.1	24.1
85°	29.9	26.0	22.3	21.5	21.3
85.5°	25.0	22.0	19.6	18.9	18.9
86°	20.6	18.2	17.1	16.6	16.4
86.5°	16.3	14.6	14.5	14.0	14.1
87°	12.0	12.0	12.1	11.5	11.5
87.5°	8.4	9.4	9.7	9.2	9.4
88°	5.4	6.8	7.3	6.8	7.1
88.5°	3.6	4.6	4.9	4.6	4.5
89°	1.8	2.4	2.6	2.4	2.2
89.5°	0.0	0.1	0.3	0.1	0.1



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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: 17283

CATALOG NUMBER: S7/148R/2T5/SR4D/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: 17283

CATALOG NUMBER: S7/148R/2T5/SR4D/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: 17283

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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: 17283

CATALOG NUMBER: S7/148R/2T5/SR4D/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)