

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: CORELITE

Report Number: P286861

Luminaire Tested: **DWI-WA-65L830-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ITL87014-GONIOPHOTOMETRY)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DWI-WA-65L830-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM SPECULAR OPTIC, ASYMMETRIC
Light Source: (154) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5945.7 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.55 / 1.46 / 1.61
Luminous Opening: Rectangular (W 3.86' x L: 0.36' x H: 0')
CIE Type: General Diffuse

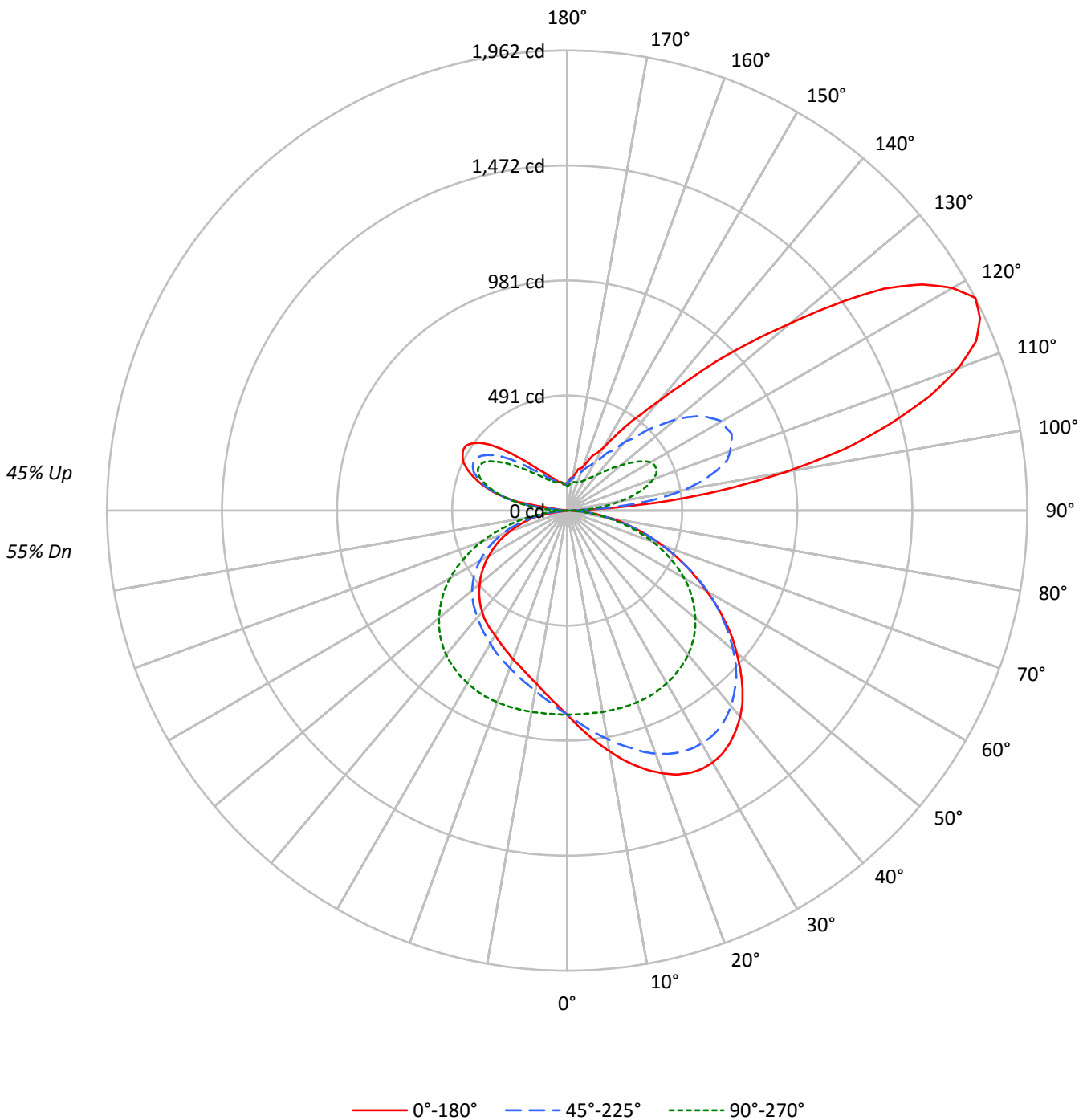
Input Watts (W): 57.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P286861

CATALOG NUMBER: DWI-WA-65L830-1D-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P286861

CATALOG NUMBER: DWI-WA-65L830-1D-UNV-STD-W-WM-4

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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55				
1	98	94	90	86	91	87	84	80	75	72	70	64	62	60	53	52	51	46				
2	89	81	75	69	82	76	70	65	65	61	57	55	52	49	46	44	42	37				
3	81	71	63	57	75	66	59	54	57	52	47	48	44	41	40	37	35	31				
4	74	62	54	48	68	58	51	45	50	44	40	43	38	34	36	32	29	26				
5	68	55	47	41	62	52	44	38	45	38	34	38	33	29	32	28	25	22				
6	62	49	41	35	57	46	38	33	40	34	29	34	29	26	29	25	22	19				
7	57	44	36	30	53	42	34	29	36	30	26	31	26	22	26	22	19	17				
8	53	40	32	27	49	38	30	25	33	27	22	28	23	20	24	20	17	15				
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13				
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	6644	6644	6644
5°	7323	6670	6173
10°	8084	6763	5819
15°	8899	6895	5596
20°	9692	7071	5488
25°	10408	7280	5418
30°	10946	7494	5419
35°	11288	7733	5521
40°	11444	8006	5621
45°	11412	8258	5716
50°	11204	8481	5783
55°	10936	8668	5859
60°	10501	8798	5886
65°	10078	8796	5936
70°	9600	8696	5796
75°	9035	8200	5564
80°	8293	7312	5086
85°	7284	6039	0



TEST NUMBER: P286861

CATALOG NUMBER: DWI-WA-65L830-1D-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	1.4
10°-20°	254.3	4.3
20°-30°	418.4	7.0
30°-40°	546.4	9.2
40°-50°	605.4	10.2
50°-60°	575.6	9.7
60°-70°	460.4	7.7
70°-80°	277.1	4.7
80°-90°	68.9	1.2
90°-100°	175.4	2.9
100°-110°	585.2	9.8
110°-120°	711.6	12.0
120°-130°	569.7	9.6
130°-140°	322.6	5.4
140°-150°	157.9	2.7
150°-160°	81.4	1.4
160°-170°	39.9	0.7
170°-180°	11.7	0.2
0°-30°	756.6	12.7
0°-40°	1303.0	21.9
0°-60°	2484.0	41.8
0°-90°	3290.4	55.3
90°-120°	1472.3	24.8
90°-150°	2522.4	42.4
90°-180°	2655.0	44.7
0°-180°	5945.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	870	870	870	870	870	
5°	955	928	870	821	805	94
15°	1125	1048	872	746	708	320
25°	1235	1137	864	685	643	569
35°	1210	1133	829	626	592	755
45°	1056	1020	764	566	529	813
55°	821	813	651	484	440	733
65°	558	562	487	369	328	553
75°	306	302	278	215	188	324
85°	83	79	69	6	0	89
90°	20	14	0	0	0	19
95°	377	245	122	12	0	419
105°	1423	661	324	334	341	1481
115°	1942	774	420	444	489	1892
125°	1650	704	363	414	499	1455
135°	898	489	245	284	351	708
145°	444	304	170	186	215	285
155°	260	207	136	142	154	119
165°	182	154	126	122	124	50
175°	136	126	112	114	116	13
180°	103	103	103	103	103	



TEST NUMBER: P286861

CATALOG NUMBER: DWI-WA-65L830-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7
2.5°	912.3	912.3	910.3	908.3	904.2	898.1	892.0	886.0	879.9	873.8	869.7
5°	954.9	954.9	950.8	946.8	938.7	928.5	916.4	906.2	890.0	877.9	869.7
7.5°	999.5	999.5	993.4	985.3	975.2	959.0	942.7	924.5	900.2	881.9	869.7
10°	1042.1	1042.1	1036.0	1027.9	1011.7	989.4	967.1	940.7	912.3	886.0	871.8
12.5°	1086.7	1086.7	1076.5	1066.4	1046.1	1019.8	991.4	956.9	924.5	888.0	871.8
15°	1125.2	1125.2	1117.1	1104.9	1080.6	1048.2	1013.7	971.1	932.6	892.0	871.8
17.5°	1161.7	1161.7	1153.6	1137.4	1113.0	1078.6	1036.0	985.3	940.7	894.1	871.8
20°	1192.1	1192.1	1184.0	1167.8	1141.4	1102.9	1054.2	1001.5	946.8	896.1	869.7
22.5°	1218.5	1216.4	1208.3	1190.1	1163.7	1123.2	1072.5	1009.6	952.9	896.1	867.7
25°	1234.7	1232.6	1224.5	1208.3	1177.9	1137.4	1082.6	1015.7	954.9	896.1	863.7
27.5°	1242.8	1240.8	1234.7	1216.4	1188.0	1145.5	1090.7	1021.8	954.9	894.1	857.6
30°	1240.8	1240.8	1232.6	1218.5	1190.1	1147.5	1092.8	1021.8	952.9	888.0	849.5
32.5°	1230.6	1228.6	1222.5	1210.3	1184.0	1143.4	1090.7	1017.7	948.8	879.9	841.4
35°	1210.3	1210.3	1206.3	1194.1	1171.8	1133.3	1078.6	1007.6	938.7	867.7	829.2
37.5°	1182.0	1182.0	1179.9	1169.8	1149.5	1113.0	1062.3	995.4	924.5	855.6	817.0
40°	1147.5	1149.5	1145.5	1137.4	1121.1	1088.7	1042.1	977.2	908.3	839.3	802.8
42.5°	1106.9	1106.9	1102.9	1098.8	1084.6	1054.2	1013.7	952.9	888.0	819.1	784.6
45°	1056.3	1056.3	1054.2	1052.2	1040.0	1019.8	981.3	924.5	863.7	796.8	764.3
47.5°	1001.5	1003.6	1001.5	1001.5	993.4	975.2	940.7	888.0	835.3	772.4	740.0
50°	942.7	946.8	944.8	946.8	938.7	924.5	896.1	851.5	802.8	744.0	713.6
52.5°	886.0	883.9	881.9	886.0	881.9	869.7	845.4	811.0	764.3	711.6	683.2
55°	821.1	819.1	821.1	825.1	821.1	813.0	794.7	762.3	723.8	677.1	650.8
57.5°	756.2	754.2	756.2	760.3	758.2	754.2	738.0	711.6	681.2	638.6	616.3
60°	687.3	689.3	691.3	693.4	697.4	693.4	677.1	658.9	634.6	598.1	575.8
62.5°	622.4	622.4	626.5	628.5	630.5	626.5	618.4	602.1	585.9	553.5	533.2
65°	557.5	557.5	559.6	561.6	565.6	561.6	555.5	545.4	531.2	504.8	486.6
67.5°	494.7	492.7	494.7	498.7	496.7	496.7	488.6	486.6	474.4	454.1	439.9
70°	429.8	427.8	429.8	429.8	431.8	429.8	427.8	425.7	415.6	405.5	389.3
72.5°	369.0	364.9	367.0	369.0	367.0	367.0	362.9	362.9	356.8	348.7	334.5
75°	306.1	304.1	304.1	304.1	304.1	302.1	296.0	300.1	298.0	291.9	277.8
77.5°	245.3	245.3	247.3	243.3	245.3	239.2	241.3	237.2	239.2	233.1	223.0
80°	188.5	186.5	186.5	186.5	186.5	182.5	180.4	178.4	182.5	176.4	166.2
82.5°	129.8	131.8	129.8	127.7	129.8	129.8	127.7	123.7	125.7	119.6	113.5
85°	83.1	83.1	83.1	79.1	79.1	79.1	81.1	79.1	77.0	73.0	68.9
87.5°	38.5	40.5	40.5	40.5	40.5	38.5	38.5	36.5	34.5	32.4	30.4
90°	20.3	20.3	18.2	18.2	16.2	14.2	12.2	8.1	6.1	2.0	0.0
92.5°	60.8	48.7	62.8	66.9	66.9	66.9	58.8	54.7	56.8	56.8	58.8
95°	377.1	360.9	373.0	356.8	314.2	245.3	164.2	131.8	125.7	119.6	121.6
97.5°	663.0	646.7	652.8	616.3	531.2	391.3	257.5	200.7	190.6	178.4	178.4
100°	942.7	930.6	916.4	863.7	723.8	506.8	334.5	263.6	251.4	235.2	231.1
102.5°	1210.3	1190.1	1159.7	1066.4	881.9	592.0	397.4	318.3	308.2	285.9	279.8
105°	1423.2	1405.0	1372.5	1228.6	991.4	660.9	446.0	369.0	358.8	330.5	324.4
107.5°	1619.9	1609.7	1528.6	1370.5	1066.4	715.7	494.7	417.6	399.4	371.0	360.9
110°	1774.0	1757.7	1676.6	1465.8	1119.1	740.0	541.3	462.2	427.8	403.4	391.3



TEST NUMBER: P286861

CATALOG NUMBER: DWI-WA-65L830-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1887.5	1875.3	1753.7	1510.4	1121.1	758.2	567.7	490.6	446.0	425.7	411.6
115°	1942.2	1924.0	1802.3	1516.5	1113.0	774.5	585.9	502.8	460.2	439.9	419.7
117.5°	1962.5	1942.2	1776.0	1473.9	1072.5	764.3	606.2	512.9	466.3	442.0	419.7
120°	1897.6	1879.4	1715.2	1400.9	1036.0	762.3	602.1	523.1	468.3	435.9	411.6
122.5°	1794.2	1771.9	1611.8	1311.7	967.1	731.9	585.9	506.8	458.2	417.6	391.3
125°	1650.3	1630.0	1449.6	1182.0	912.3	703.5	573.7	478.5	429.8	389.3	362.9
127.5°	1447.5	1435.4	1289.4	1068.4	823.1	654.8	529.1	454.1	391.3	358.8	332.5
130°	1240.8	1232.6	1133.3	946.8	752.2	606.2	496.7	423.7	352.8	324.4	300.1
132.5°	1062.3	1056.3	959.0	811.0	665.0	539.3	446.0	373.0	324.4	289.9	271.7
135°	898.1	896.1	806.9	703.5	579.8	488.6	395.3	336.5	298.0	259.5	245.3
137.5°	733.9	733.9	687.3	604.2	515.0	417.6	360.9	312.2	269.6	233.1	219.0
140°	610.2	602.1	577.8	498.7	431.8	381.1	310.2	271.7	237.2	210.8	200.7
142.5°	517.0	508.9	468.3	429.8	379.1	322.4	294.0	243.3	210.8	190.6	184.5
145°	444.0	442.0	399.4	385.2	340.6	304.1	251.4	233.1	196.7	174.4	170.3
147.5°	369.0	369.0	358.8	322.4	287.9	259.5	241.3	204.8	188.5	162.2	158.1
150°	310.2	310.2	312.2	285.9	271.7	249.4	214.9	188.5	178.4	154.1	150.0
152.5°	275.7	277.8	263.6	269.6	239.2	216.9	198.7	186.5	162.2	146.0	141.9
155°	259.5	261.5	241.3	231.1	214.9	206.8	192.6	168.3	150.0	141.9	135.8
157.5°	225.0	229.1	231.1	206.8	210.8	188.5	168.3	154.1	143.9	139.9	129.8
160°	196.7	198.7	200.7	204.8	180.4	176.4	172.3	158.1	146.0	137.9	127.7
162.5°	188.5	186.5	180.4	180.4	176.4	168.3	150.0	148.0	143.9	135.8	125.7
165°	182.5	184.5	178.4	160.2	164.2	154.1	152.1	133.8	133.8	131.8	125.7
167.5°	160.2	162.2	164.2	162.2	146.0	150.0	139.9	137.9	125.7	129.8	123.7
170°	141.9	143.9	141.9	146.0	150.0	137.9	133.8	135.8	123.7	127.7	121.6
172.5°	141.9	139.9	137.9	131.8	129.8	137.9	133.8	123.7	125.7	123.7	117.6
175°	135.8	137.9	137.9	135.8	131.8	125.7	121.6	123.7	125.7	117.6	111.5
177.5°	123.7	125.7	123.7	125.7	125.7	127.7	127.7	125.7	117.6	109.5	105.4
180°	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4



TEST NUMBER: P286861

CATALOG NUMBER: DWI-WA-65L830-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	869.7	869.7	869.7	869.7
2.5°	857.6	845.4	837.3	835.3
5°	843.4	821.1	808.9	804.9
7.5°	831.2	800.8	782.6	776.5
10°	819.1	780.5	758.2	750.1
12.5°	804.9	762.3	735.9	727.8
15°	794.7	746.1	717.7	707.6
17.5°	782.6	729.9	699.4	689.3
20°	770.4	713.6	683.2	675.1
22.5°	760.3	699.4	669.0	656.9
25°	748.1	685.3	652.8	642.7
27.5°	735.9	671.1	638.6	628.5
30°	723.8	654.8	624.4	614.3
32.5°	709.6	640.7	612.3	604.2
35°	697.4	626.5	600.1	592.0
37.5°	683.2	610.2	585.9	579.8
40°	667.0	596.0	571.7	563.6
42.5°	650.8	579.8	557.5	547.4
45°	632.5	565.6	541.3	529.1
47.5°	614.3	547.4	521.0	508.9
50°	592.0	529.1	498.7	486.6
52.5°	567.7	506.8	476.4	464.3
55°	543.3	484.5	452.1	439.9
57.5°	517.0	458.2	425.7	413.6
60°	486.6	429.8	399.4	385.2
62.5°	454.1	399.4	369.0	356.8
65°	421.7	369.0	338.6	328.4
67.5°	387.2	332.5	304.1	296.0
70°	344.7	296.0	267.6	259.5
72.5°	300.1	259.5	229.1	225.0
75°	255.4	214.9	192.6	188.5
77.5°	208.8	170.3	156.1	154.1
80°	160.2	127.7	117.6	115.6
82.5°	109.5	85.1	10.1	0.0
85°	60.8	6.1	2.0	0.0
87.5°	6.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	14.2	2.0	0.0	0.0
95°	107.5	12.2	2.0	0.0
97.5°	180.4	158.1	58.8	0.0
100°	239.2	227.1	221.0	212.9
102.5°	283.8	283.8	287.9	285.9
105°	320.3	334.5	338.6	340.6
107.5°	354.8	377.1	385.2	389.3
110°	383.2	405.5	425.7	427.8



TEST NUMBER: P286861

CATALOG NUMBER: DWI-WA-65L830-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	397.4	431.8	454.1	462.2
115°	403.4	444.0	478.5	488.6
117.5°	403.4	450.1	492.7	502.8
120°	399.4	448.1	496.7	512.9
122.5°	383.2	433.9	494.7	512.9
125°	356.8	413.6	476.4	498.7
127.5°	330.5	387.2	448.1	474.4
130°	304.1	354.8	417.6	439.9
132.5°	271.7	320.3	375.1	395.3
135°	243.3	283.8	332.5	350.7
137.5°	223.0	255.4	294.0	308.2
140°	202.7	227.1	261.5	271.7
142.5°	180.4	208.8	229.1	239.2
145°	168.3	186.5	208.8	214.9
147.5°	160.2	176.4	192.6	196.7
150°	148.0	160.2	174.4	182.5
152.5°	139.9	156.1	164.2	166.2
155°	137.9	141.9	156.1	154.1
157.5°	133.8	139.9	141.9	148.0
160°	123.7	129.8	135.8	139.9
162.5°	121.6	129.8	133.8	129.8
165°	123.7	121.6	123.7	123.7
167.5°	117.6	121.6	117.6	125.7
170°	113.5	113.5	119.6	117.6
172.5°	117.6	117.6	111.5	111.5
175°	117.6	113.5	111.5	115.6
177.5°	101.4	111.5	115.6	117.6
180°	103.4	103.4	103.4	103.4

(END OF REPORT)