

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: P286867

Luminaire Tested: **DWI-WA-65L835-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P286867  
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-65L835-1D-UNV-STD-W-WM-4  
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE  
WAVESTREAM SPECULAR OPTIC, ASYMMETRIC  
Light Source: (154) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6243.0 lumens  
Efficiency: N/A  
Efficacy: 109.3 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

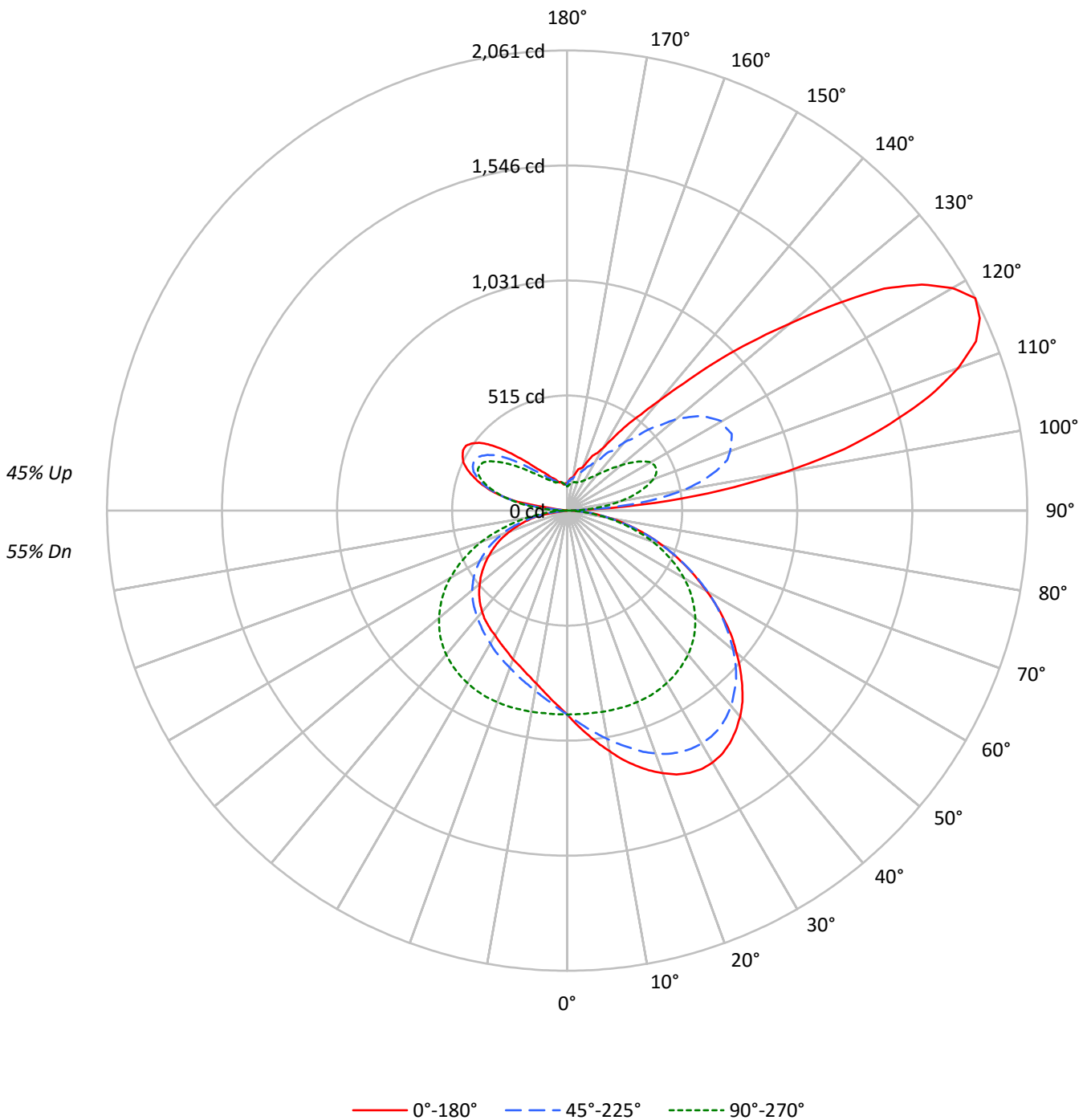
Input Watts (W): 57.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	6976	6976	6976
5°	7689	7003	6481
10°	8488	7101	6110
15°	9345	7240	5876
20°	10176	7424	5763
25°	10928	7644	5688
30°	11493	7868	5690
35°	11853	8120	5797
40°	12016	8407	5902
45°	11983	8670	6003
50°	11765	8906	6072
55°	11483	9101	6152
60°	11025	9238	6180
65°	10582	9235	6235
70°	10081	9129	6087
75°	9487	8607	5844
80°	8711	7681	5337
85°	7652	6346	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.1	1.4
10°-20°	267.0	4.3
20°-30°	439.3	7.0
30°-40°	573.7	9.2
40°-50°	635.7	10.2
50°-60°	604.3	9.7
60°-70°	483.4	7.7
70°-80°	291.0	4.7
80°-90°	72.4	1.2
90°-100°	184.2	2.9
100°-110°	614.5	9.8
110°-120°	747.2	12.0
120°-130°	598.2	9.6
130°-140°	338.7	5.4
140°-150°	165.8	2.7
150°-160°	85.4	1.4
160°-170°	41.9	0.7
170°-180°	12.2	0.2
0°-30°	794.4	12.7
0°-40°	1368.1	21.9
0°-60°	2608.2	41.8
0°-90°	3454.9	55.3
90°-120°	1545.8	24.8
90°-150°	2648.5	42.4
90°-180°	2788.0	44.7
0°-180°	6243.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	913	913	913	913	913	
5°	1003	975	913	862	845	98
15°	1182	1101	915	783	743	336
25°	1296	1194	907	720	675	598
35°	1271	1190	871	658	622	793
45°	1109	1071	802	594	556	854
55°	862	854	683	509	462	770
65°	585	590	511	387	345	580
75°	321	317	292	226	198	340
85°	87	83	72	6	0	93
90°	21	15	0	0	0	20
95°	396	258	128	13	0	440
105°	1494	694	341	351	358	1555
115°	2039	813	441	466	513	1987
125°	1733	739	381	434	524	1528
135°	943	513	258	298	368	743
145°	466	319	179	196	226	299
155°	272	217	143	149	162	125
165°	192	162	132	128	130	53
175°	143	132	117	119	121	14
180°	109	109	109	109	109	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	913.2	913.2	913.2	913.2	913.2	913.2	913.2	913.2	913.2	913.2	913.2
2.5°	957.9	957.9	955.8	953.7	949.4	943.0	936.6	930.3	923.9	917.5	913.2
5°	1002.6	1002.6	998.4	994.1	985.6	975.0	962.2	951.6	934.5	921.7	913.2
7.5°	1049.5	1049.5	1043.1	1034.6	1023.9	1006.9	989.9	970.7	945.2	926.0	913.2
10°	1094.2	1094.2	1087.8	1079.3	1062.2	1038.8	1015.4	987.7	957.9	930.3	915.4
12.5°	1141.0	1141.0	1130.4	1119.7	1098.4	1070.8	1041.0	1004.8	970.7	932.4	915.4
15°	1181.5	1181.5	1172.9	1160.2	1134.6	1100.6	1064.4	1019.7	979.2	936.6	915.4
17.5°	1219.8	1219.8	1211.3	1194.2	1168.7	1132.5	1087.8	1034.6	987.7	938.8	915.4
20°	1251.7	1251.7	1243.2	1226.2	1198.5	1158.0	1106.9	1051.6	994.1	940.9	913.2
22.5°	1279.4	1277.2	1268.7	1249.6	1221.9	1179.3	1126.1	1060.1	1000.5	940.9	911.1
25°	1296.4	1294.3	1285.8	1268.7	1236.8	1194.2	1136.8	1066.5	1002.6	940.9	906.8
27.5°	1304.9	1302.8	1296.4	1277.2	1247.4	1202.7	1145.3	1072.9	1002.6	938.8	900.5
30°	1302.8	1302.8	1294.3	1279.4	1249.6	1204.9	1147.4	1072.9	1000.5	932.4	891.9
32.5°	1292.2	1290.0	1283.6	1270.9	1243.2	1200.6	1145.3	1068.6	996.3	923.9	883.4
35°	1270.9	1270.9	1266.6	1253.8	1230.4	1190.0	1132.5	1058.0	985.6	911.1	870.7
37.5°	1241.1	1241.1	1238.9	1228.3	1207.0	1168.7	1115.5	1045.2	970.7	898.3	857.9
40°	1204.9	1207.0	1202.7	1194.2	1177.2	1143.1	1094.2	1026.1	953.7	881.3	843.0
42.5°	1162.3	1162.3	1158.0	1153.8	1138.9	1106.9	1064.4	1000.5	932.4	860.0	823.8
45°	1109.1	1109.1	1106.9	1104.8	1092.0	1070.8	1030.3	970.7	906.8	836.6	802.5
47.5°	1051.6	1053.7	1051.6	1051.6	1043.1	1023.9	987.7	932.4	877.0	811.1	777.0
50°	989.9	994.1	992.0	994.1	985.6	970.7	940.9	894.1	843.0	781.3	749.3
52.5°	930.3	928.1	926.0	930.3	926.0	913.2	887.7	851.5	802.5	747.2	717.4
55°	862.1	860.0	862.1	866.4	862.1	853.6	834.5	800.4	760.0	711.0	683.3
57.5°	794.0	791.9	794.0	798.3	796.2	791.9	774.9	747.2	715.3	670.6	647.1
60°	721.6	723.8	725.9	728.0	732.3	728.0	711.0	691.8	666.3	628.0	604.6
62.5°	653.5	653.5	657.8	659.9	662.0	657.8	649.3	632.2	615.2	581.1	559.9
65°	585.4	585.4	587.5	589.7	593.9	589.7	583.3	572.6	557.7	530.1	510.9
67.5°	519.4	517.3	519.4	523.7	521.5	521.5	513.0	510.9	498.1	476.8	461.9
70°	451.3	449.2	451.3	451.3	453.4	451.3	449.2	447.0	436.4	425.7	408.7
72.5°	387.4	383.2	385.3	387.4	385.3	385.3	381.0	381.0	374.7	366.1	351.2
75°	321.4	319.3	319.3	319.3	319.3	317.2	310.8	315.1	312.9	306.5	291.6
77.5°	257.6	257.6	259.7	255.4	257.6	251.2	253.3	249.1	251.2	244.8	234.2
80°	198.0	195.8	195.8	195.8	195.8	191.6	189.5	187.3	191.6	185.2	174.6
82.5°	136.2	138.4	136.2	134.1	136.2	136.2	134.1	129.9	132.0	125.6	119.2
85°	87.3	87.3	87.3	83.0	83.0	83.0	85.1	83.0	80.9	76.6	72.4
87.5°	40.4	42.6	42.6	42.6	42.6	40.4	40.4	38.3	36.2	34.1	31.9
90°	21.3	21.3	19.2	19.2	17.0	14.9	12.8	8.5	6.4	2.1	0.0
92.5°	63.9	51.1	66.0	70.2	70.2	70.2	61.7	57.5	59.6	59.6	61.7
95°	395.9	378.9	391.7	374.7	330.0	257.6	172.4	138.4	132.0	125.6	127.7
97.5°	696.1	679.1	685.5	647.1	557.7	410.8	270.4	210.7	200.1	187.3	187.3
100°	989.9	977.1	962.2	906.8	760.0	532.2	351.2	276.7	264.0	246.9	242.7
102.5°	1270.9	1249.6	1217.6	1119.7	926.0	621.6	417.2	334.2	323.6	300.2	293.8
105°	1494.4	1475.2	1441.2	1290.0	1041.0	694.0	468.3	387.4	376.8	347.0	340.6
107.5°	1700.9	1690.2	1605.1	1439.0	1119.7	751.4	519.4	438.5	419.4	389.6	378.9
110°	1862.7	1845.6	1760.5	1539.1	1175.1	777.0	568.4	485.4	449.2	423.6	410.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1981.9	1969.1	1841.4	1585.9	1177.2	796.2	596.0	515.2	468.3	447.0	432.1
115°	2039.3	2020.2	1892.5	1592.3	1168.7	813.2	615.2	527.9	483.2	461.9	440.7
117.5°	2060.6	2039.3	1864.8	1547.6	1126.1	802.5	636.5	538.6	489.6	464.1	440.7
120°	1992.5	1973.4	1800.9	1471.0	1087.8	800.4	632.2	549.2	491.7	457.7	432.1
122.5°	1883.9	1860.5	1692.4	1377.3	1015.4	768.5	615.2	532.2	481.1	438.5	410.8
125°	1732.8	1711.5	1522.1	1241.1	957.9	738.7	602.4	502.4	451.3	408.7	381.0
127.5°	1519.9	1507.2	1353.9	1121.9	864.3	687.6	555.6	476.8	410.8	376.8	349.1
130°	1302.8	1294.3	1190.0	994.1	789.8	636.5	521.5	444.9	370.4	340.6	315.1
132.5°	1115.5	1109.1	1006.9	851.5	698.2	566.2	468.3	391.7	340.6	304.4	285.3
135°	943.0	940.9	847.2	738.7	608.8	513.0	415.1	353.4	312.9	272.5	257.6
137.5°	770.6	770.6	721.6	634.4	540.7	438.5	378.9	327.8	283.1	244.8	229.9
140°	640.8	632.2	606.7	523.7	453.4	400.2	325.7	285.3	249.1	221.4	210.7
142.5°	542.8	534.3	491.7	451.3	398.1	338.5	308.7	255.4	221.4	200.1	193.7
145°	466.2	464.1	419.4	404.5	357.6	319.3	264.0	244.8	206.5	183.1	178.8
147.5°	387.4	387.4	376.8	338.5	302.3	272.5	253.3	215.0	198.0	170.3	166.0
150°	325.7	325.7	327.8	300.2	285.3	261.8	225.6	198.0	187.3	161.8	157.5
152.5°	289.5	291.6	276.7	283.1	251.2	227.8	208.6	195.8	170.3	153.3	149.0
155°	272.5	274.6	253.3	242.7	225.6	217.1	202.2	176.7	157.5	149.0	142.6
157.5°	236.3	240.5	242.7	217.1	221.4	198.0	176.7	161.8	151.1	146.9	136.2
160°	206.5	208.6	210.7	215.0	189.5	185.2	180.9	166.0	153.3	144.8	134.1
162.5°	198.0	195.8	189.5	189.5	185.2	176.7	157.5	155.4	151.1	142.6	132.0
165°	191.6	193.7	187.3	168.2	172.4	161.8	159.7	140.5	140.5	138.4	132.0
167.5°	168.2	170.3	172.4	170.3	153.3	157.5	146.9	144.8	132.0	136.2	129.9
170°	149.0	151.1	149.0	153.3	157.5	144.8	140.5	142.6	129.9	134.1	127.7
172.5°	149.0	146.9	144.8	138.4	136.2	144.8	140.5	129.9	132.0	129.9	123.5
175°	142.6	144.8	144.8	142.6	138.4	132.0	127.7	129.9	132.0	123.5	117.1
177.5°	129.9	132.0	129.9	132.0	132.0	134.1	134.1	132.0	123.5	115.0	110.7
180°	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
0°	913.2	913.2	913.2	913.2
2.5°	900.5	887.7	879.2	877.0
5°	885.6	862.1	849.4	845.1
7.5°	872.8	840.9	821.7	815.3
10°	860.0	819.6	796.2	787.6
12.5°	845.1	800.4	772.7	764.2
15°	834.5	783.4	753.6	742.9
17.5°	821.7	766.3	734.4	723.8
20°	808.9	749.3	717.4	708.9
22.5°	798.3	734.4	702.5	689.7
25°	785.5	719.5	685.5	674.8
27.5°	772.7	704.6	670.6	659.9
30°	760.0	687.6	655.7	645.0
32.5°	745.1	672.7	642.9	634.4
35°	732.3	657.8	630.1	621.6
37.5°	717.4	640.8	615.2	608.8
40°	700.4	625.9	600.3	591.8
42.5°	683.3	608.8	585.4	574.8
45°	664.2	593.9	568.4	555.6
47.5°	645.0	574.8	547.1	534.3
50°	621.6	555.6	523.7	510.9
52.5°	596.0	532.2	500.3	487.5
55°	570.5	508.8	474.7	461.9
57.5°	542.8	481.1	447.0	434.3
60°	510.9	451.3	419.4	404.5
62.5°	476.8	419.4	387.4	374.7
65°	442.8	387.4	355.5	344.9
67.5°	406.6	349.1	319.3	310.8
70°	361.9	310.8	281.0	272.5
72.5°	315.1	272.5	240.5	236.3
75°	268.2	225.6	202.2	198.0
77.5°	219.3	178.8	163.9	161.8
80°	168.2	134.1	123.5	121.3
82.5°	115.0	89.4	10.6	0.0
85°	63.9	6.4	2.1	0.0
87.5°	6.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	14.9	2.1	0.0	0.0
95°	112.8	12.8	2.1	0.0
97.5°	189.5	166.0	61.7	0.0
100°	251.2	238.4	232.0	223.5
102.5°	298.0	298.0	302.3	300.2
105°	336.3	351.2	355.5	357.6
107.5°	372.5	395.9	404.5	408.7
110°	402.3	425.7	447.0	449.2





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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
112.5°	417.2	453.4	476.8	485.4
115°	423.6	466.2	502.4	513.0
117.5°	423.6	472.6	517.3	527.9
120°	419.4	470.5	521.5	538.6
122.5°	402.3	455.6	519.4	538.6
125°	374.7	434.3	500.3	523.7
127.5°	347.0	406.6	470.5	498.1
130°	319.3	372.5	438.5	461.9
132.5°	285.3	336.3	393.8	415.1
135°	255.4	298.0	349.1	368.3
137.5°	234.2	268.2	308.7	323.6
140°	212.9	238.4	274.6	285.3
142.5°	189.5	219.3	240.5	251.2
145°	176.7	195.8	219.3	225.6
147.5°	168.2	185.2	202.2	206.5
150°	155.4	168.2	183.1	191.6
152.5°	146.9	163.9	172.4	174.6
155°	144.8	149.0	163.9	161.8
157.5°	140.5	146.9	149.0	155.4
160°	129.9	136.2	142.6	146.9
162.5°	127.7	136.2	140.5	136.2
165°	129.9	127.7	129.9	129.9
167.5°	123.5	127.7	123.5	132.0
170°	119.2	119.2	125.6	123.5
172.5°	123.5	123.5	117.1	117.1
175°	123.5	119.2	117.1	121.3
177.5°	106.4	117.1	121.3	123.5
180°	108.6	108.6	108.6	108.6

(END OF REPORT)