

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: P286897

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ITL87015-GONIOPHOTOMETRY)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DWI-WD-65L830-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM DIFFUSE OPTIC, ASYMMETRIC
Light Source: (154) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6049.5 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.5 / 1.34 / 1.55
Luminous Opening: Rectangular (W 3.86' x L: 0.36' x H: 0')
CIE Type: General Diffuse

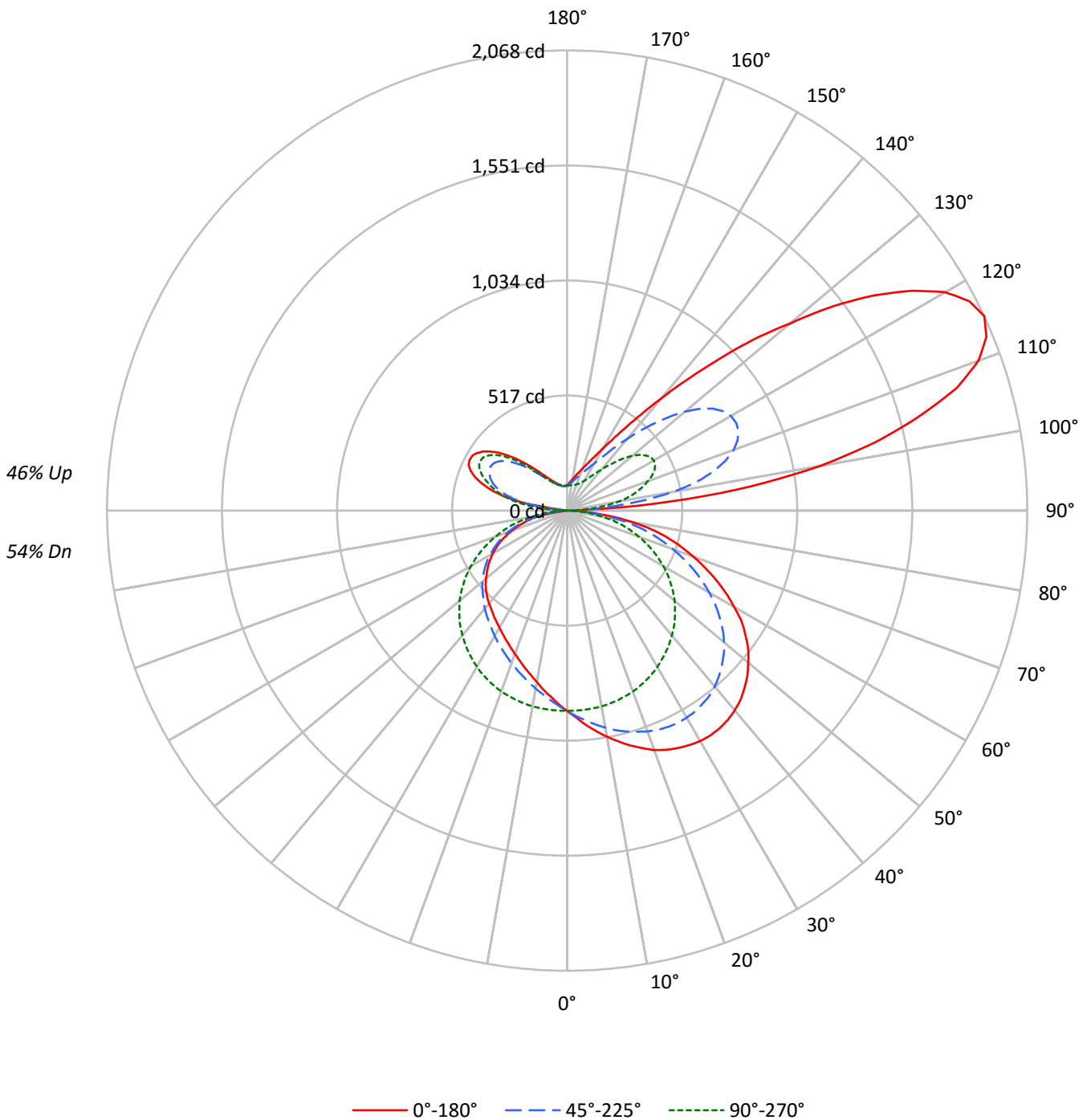
Input Watts (W): 57.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P286897

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

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	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	98	93	89	85	91	87	83	80	74	72	69	63	61	59	52	51	49	44
2	89	81	74	69	82	75	69	64	64	60	56	54	51	48	45	43	41	36
3	81	70	63	56	74	65	59	53	56	51	46	47	43	40	39	36	34	30
4	73	62	54	47	68	58	50	44	49	44	39	42	37	34	35	31	29	25
5	67	55	46	40	62	51	43	38	44	38	33	37	32	29	31	27	24	21
6	62	49	40	34	57	46	38	32	39	33	29	33	29	25	28	24	21	18
7	57	44	36	30	52	41	34	28	35	29	25	30	25	22	25	22	19	16
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	17	14
9	49	36	29	23	45	34	27	22	29	24	20	25	21	17	21	18	15	13
10	46	33	26	21	42	31	24	20	27	21	18	23	19	15	20	16	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	6876	6876	6876
5°	7416	6887	6436
10°	8005	6935	6070
15°	8642	6974	5788
20°	9312	7037	5571
25°	9928	7092	5434
30°	10551	7153	5365
35°	11136	7222	5369
40°	11685	7298	5438
45°	12177	7403	5563
50°	12626	7494	5662
55°	13042	7560	5778
60°	13258	7620	5886
65°	13375	7659	5973
70°	13449	7653	5886
75°	13702	7660	5744
80°	13110	7312	4012
85°	9414	5689	0



TEST NUMBER: P286897

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	1.4
10°-20°	254.2	4.2
20°-30°	405.6	6.7
30°-40°	521.9	8.6
40°-50°	583.8	9.7
50°-60°	572.2	9.5
60°-70°	476.9	7.9
70°-80°	309.2	5.1
80°-90°	76.6	1.3
90°-100°	180.1	3.0
100°-110°	609.0	10.1
110°-120°	731.4	12.1
120°-130°	598.7	9.9
130°-140°	351.2	5.8
140°-150°	164.4	2.7
150°-160°	79.0	1.3
160°-170°	38.0	0.6
170°-180°	11.3	0.2
0°-30°	745.8	12.3
0°-40°	1267.7	21.0
0°-60°	2423.8	40.1
0°-90°	3286.5	54.3
90°-120°	1520.5	25.1
90°-150°	2634.8	43.6
90°-180°	2763.0	45.7
0°-180°	6049.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	900	900	900	900	900	
5°	967	947	898	856	839	94
15°	1093	1028	882	770	732	311
25°	1178	1072	841	689	645	545
35°	1194	1060	774	612	576	748
45°	1127	983	685	535	515	869
55°	979	837	568	452	434	873
65°	740	626	424	345	330	731
75°	464	381	260	209	195	484
85°	107	91	65	4	0	128
90°	18	12	0	0	0	22
95°	470	188	112	6	0	523
105°	1640	681	324	292	349	1704
115°	2068	849	434	385	489	2012
125°	1687	799	432	383	462	1502
135°	957	553	312	288	332	757
145°	450	316	188	184	205	296
155°	247	201	136	136	144	118
165°	168	150	120	118	118	49
175°	126	120	114	110	110	13
180°	112	112	112	112	112	



TEST NUMBER: P286897

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1
2.5°	930.5	932.5	932.5	930.5	928.5	924.4	920.4	914.3	910.2	904.1	900.1
5°	967.0	967.0	967.0	960.9	954.8	946.7	936.6	926.4	916.3	906.2	898.1
7.5°	999.4	1001.5	997.4	991.3	981.2	969.0	954.8	938.6	922.4	904.1	896.0
10°	1031.9	1033.9	1027.8	1021.7	1007.5	991.3	971.0	946.7	924.4	902.1	894.0
12.5°	1062.3	1064.3	1058.2	1050.1	1033.9	1011.6	985.2	954.8	926.4	902.1	887.9
15°	1092.7	1092.7	1086.6	1076.5	1054.2	1027.8	997.4	960.9	926.4	896.0	881.8
17.5°	1119.0	1117.0	1110.9	1096.7	1072.4	1042.0	1005.5	962.9	924.4	890.0	873.7
20°	1145.4	1143.4	1135.2	1119.0	1092.7	1056.2	1015.6	967.0	922.4	883.9	865.6
22.5°	1163.6	1161.6	1153.5	1135.2	1106.9	1066.3	1019.7	965.0	916.3	875.8	853.5
25°	1177.8	1177.8	1167.7	1149.4	1117.0	1072.4	1021.7	962.9	910.2	863.6	841.3
27.5°	1188.0	1188.0	1177.8	1157.5	1123.1	1076.5	1019.7	958.9	900.1	851.4	827.1
30°	1196.1	1194.0	1183.9	1159.6	1125.1	1074.4	1015.6	950.8	890.0	837.2	810.9
32.5°	1198.1	1196.1	1183.9	1159.6	1121.1	1070.4	1009.6	940.6	875.8	821.0	792.6
35°	1194.0	1192.0	1179.8	1153.5	1112.9	1060.2	997.4	926.4	859.5	802.8	774.4
37.5°	1185.9	1185.9	1171.7	1145.4	1104.8	1050.1	985.2	912.3	843.3	782.5	754.1
40°	1171.7	1171.7	1157.5	1129.2	1088.6	1031.9	967.0	894.0	823.1	760.2	731.8
42.5°	1153.5	1151.5	1135.2	1106.9	1064.3	1009.6	944.7	869.7	800.8	735.9	709.5
45°	1127.1	1125.1	1110.9	1082.5	1037.9	983.2	918.3	845.4	776.4	711.6	685.2
47.5°	1098.8	1096.7	1080.5	1052.1	1009.6	954.8	890.0	819.0	750.1	687.2	656.8
50°	1062.3	1062.3	1046.1	1017.7	975.1	920.4	855.5	786.6	719.7	656.8	630.5
52.5°	1025.8	1021.7	1005.5	975.1	934.6	881.8	819.0	752.1	687.2	626.4	600.1
55°	979.2	973.1	958.9	930.5	890.0	837.2	778.5	713.6	652.8	594.0	567.6
57.5°	930.5	924.4	906.2	877.8	839.3	790.6	733.9	673.0	616.3	559.5	535.2
60°	867.7	867.7	849.4	821.0	784.5	737.9	687.2	630.5	575.7	523.0	498.7
62.5°	804.8	806.8	788.6	760.2	725.7	683.2	636.6	583.8	533.2	486.5	462.2
65°	739.9	739.9	721.7	695.3	664.9	626.4	581.8	535.2	488.6	446.0	423.7
67.5°	671.0	671.0	656.8	628.4	600.1	565.6	527.1	486.5	444.0	403.4	383.1
70°	602.1	600.1	587.9	561.5	535.2	504.8	470.3	435.9	397.3	360.8	342.6
72.5°	533.2	531.1	521.0	494.6	472.3	444.0	415.6	383.1	350.7	318.3	302.1
75°	464.2	460.2	450.0	425.7	405.4	381.1	352.7	330.4	302.1	273.7	259.5
77.5°	387.2	385.2	375.0	350.7	334.5	314.2	291.9	271.6	251.4	225.0	214.9
80°	298.0	293.9	287.9	267.6	257.5	241.2	225.0	210.8	194.6	176.4	166.2
82.5°	198.7	196.6	194.6	184.5	174.3	166.2	156.1	146.0	135.8	121.6	117.6
85°	107.4	109.5	107.4	101.4	95.3	91.2	89.2	83.1	79.1	68.9	64.9
87.5°	32.4	34.5	34.5	34.5	34.5	34.5	34.5	30.4	28.4	24.3	20.3
90°	18.2	18.2	18.2	16.2	16.2	12.2	10.1	6.1	4.1	0.0	0.0
92.5°	95.3	99.3	103.4	93.3	73.0	54.7	48.7	50.7	46.6	44.6	38.5
95°	470.3	468.3	452.1	391.3	285.8	188.5	152.0	146.0	131.8	123.7	111.5
97.5°	831.2	825.1	786.6	673.0	523.0	338.5	255.4	231.1	208.8	194.6	178.4
100°	1151.5	1143.4	1084.6	938.6	725.7	484.5	354.8	308.1	277.7	253.4	237.2
102.5°	1419.1	1411.0	1333.9	1147.4	879.8	596.0	437.9	375.0	334.5	304.1	285.8
105°	1640.0	1633.9	1536.6	1311.6	997.4	681.1	502.8	427.7	381.1	342.6	324.4
107.5°	1836.7	1812.3	1686.7	1437.3	1080.5	746.0	555.5	474.4	421.7	379.1	356.8
110°	1966.4	1942.1	1800.2	1518.4	1133.2	796.7	604.1	514.9	458.2	409.5	385.2



TEST NUMBER: P286897

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2039.4	2023.2	1865.1	1561.0	1161.6	829.1	640.6	549.4	488.6	437.9	413.6
115°	2067.8	2045.5	1877.2	1558.9	1163.6	849.4	669.0	577.8	514.9	456.1	433.8
117.5°	2037.4	2013.0	1840.7	1520.4	1145.4	855.5	687.2	594.0	527.1	470.3	446.0
120°	1962.4	1934.0	1761.7	1455.6	1110.9	849.4	695.3	602.1	535.2	476.4	450.0
122.5°	1838.7	1812.3	1646.1	1362.3	1058.2	831.2	687.2	598.0	531.1	470.3	446.0
125°	1686.7	1658.3	1508.3	1256.9	993.3	798.7	669.0	581.8	514.9	458.2	431.8
127.5°	1510.3	1479.9	1358.2	1137.3	916.3	750.1	636.6	553.4	488.6	435.9	411.5
130°	1307.6	1297.4	1194.0	1011.6	837.2	691.3	589.9	512.9	454.1	405.4	383.1
132.5°	1139.3	1108.9	1027.8	883.9	744.0	624.4	535.2	466.3	411.5	369.0	348.7
135°	956.9	934.6	871.7	760.2	652.8	553.4	476.4	415.6	366.9	328.4	312.2
137.5°	796.7	784.5	731.8	652.8	563.6	486.5	419.6	364.9	322.3	289.9	275.7
140°	656.8	648.7	612.2	549.4	482.5	421.7	364.9	318.3	281.8	253.4	241.2
142.5°	541.3	535.2	508.8	462.2	413.6	364.9	316.2	279.8	245.3	223.0	212.9
145°	450.0	446.0	425.7	393.3	352.7	316.2	277.7	245.3	216.9	196.6	188.5
147.5°	377.1	375.0	360.8	338.5	308.1	275.7	245.3	216.9	192.6	176.4	168.3
150°	322.3	320.3	312.2	291.9	269.6	245.3	218.9	196.6	174.3	160.2	154.1
152.5°	279.8	277.7	271.6	257.5	241.2	221.0	198.7	180.4	162.2	148.0	143.9
155°	247.3	245.3	241.2	231.1	216.9	200.7	182.5	166.2	150.0	139.9	135.8
157.5°	221.0	221.0	216.9	208.8	196.6	184.5	170.3	156.1	141.9	133.8	129.7
160°	200.7	200.7	196.6	188.5	182.5	170.3	158.1	146.0	135.8	129.7	125.7
162.5°	182.5	182.5	178.4	174.3	168.3	158.1	150.0	139.9	131.8	125.7	121.6
165°	168.3	168.3	166.2	162.2	156.1	150.0	141.9	133.8	125.7	121.6	119.6
167.5°	154.1	156.1	154.1	150.0	146.0	139.9	133.8	127.7	123.7	119.6	117.6
170°	143.9	143.9	141.9	139.9	137.9	131.8	129.7	125.7	119.6	117.6	115.6
172.5°	133.8	133.8	131.8	131.8	129.7	127.7	123.7	121.6	117.6	115.6	115.6
175°	125.7	125.7	123.7	123.7	123.7	119.6	119.6	117.6	115.6	115.6	113.5
177.5°	119.6	119.6	119.6	117.6	117.6	117.6	117.6	115.6	113.5	113.5	111.5
180°	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5



TEST NUMBER: P286897

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

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	900.1	900.1	900.1	900.1
2.5°	890.0	877.8	871.7	871.7
5°	875.8	855.5	843.3	839.3
7.5°	863.6	833.2	817.0	812.9
10°	847.4	812.9	790.6	782.5
12.5°	831.2	790.6	766.3	756.2
15°	812.9	770.3	742.0	731.8
17.5°	796.7	750.1	719.7	707.5
20°	778.5	729.8	697.4	685.2
22.5°	762.2	709.5	677.1	664.9
25°	744.0	689.3	656.8	644.7
27.5°	725.7	671.0	636.6	626.4
30°	705.5	650.7	618.3	608.2
32.5°	689.3	630.5	602.1	592.0
35°	669.0	612.2	583.8	575.7
37.5°	648.7	594.0	567.6	559.5
40°	626.4	575.7	551.4	545.3
42.5°	606.1	555.5	535.2	531.1
45°	583.8	535.2	519.0	514.9
47.5°	561.5	516.9	500.7	496.7
50°	537.2	496.7	480.5	476.4
52.5°	510.9	474.4	458.2	454.1
55°	486.5	452.1	435.9	433.8
57.5°	458.2	427.7	411.5	409.5
60°	429.8	401.4	387.2	385.2
62.5°	399.4	373.0	358.8	358.8
65°	369.0	344.6	330.4	330.4
67.5°	336.5	314.2	302.1	298.0
70°	304.1	281.8	265.6	263.5
72.5°	271.6	247.3	229.1	229.1
75°	233.1	208.8	194.6	194.6
77.5°	196.6	168.3	156.1	156.1
80°	154.1	123.7	107.4	91.2
82.5°	103.4	73.0	4.1	0.0
85°	52.7	4.1	0.0	0.0
87.5°	6.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	6.1	0.0	0.0	0.0
95°	77.0	6.1	2.0	0.0
97.5°	150.0	115.6	12.2	0.0
100°	210.8	188.5	192.6	192.6
102.5°	253.4	247.3	271.6	285.8
105°	285.8	291.9	328.4	348.7
107.5°	312.2	328.4	375.0	399.4
110°	336.5	354.8	411.5	439.9



TEST NUMBER: P286897

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

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	356.8	373.0	437.9	470.3
115°	373.0	385.2	452.1	488.6
117.5°	383.1	393.3	458.2	494.6
120°	387.2	397.3	456.1	492.6
122.5°	383.1	393.3	446.0	480.5
125°	373.0	383.1	429.8	462.2
127.5°	356.8	366.9	409.5	435.9
130°	332.5	342.6	381.1	405.4
132.5°	306.1	316.2	350.7	369.0
135°	275.7	287.9	316.2	332.5
137.5°	245.3	257.5	281.8	296.0
140°	218.9	229.1	249.3	261.5
142.5°	194.6	204.8	221.0	231.1
145°	174.3	184.5	196.6	204.8
147.5°	158.1	168.3	178.4	184.5
150°	146.0	154.1	164.2	166.2
152.5°	137.9	143.9	150.0	154.1
155°	129.7	135.8	141.9	143.9
157.5°	123.7	129.7	131.8	135.8
160°	119.6	123.7	127.7	127.7
162.5°	117.6	119.6	121.6	123.7
165°	115.6	117.6	117.6	117.6
167.5°	113.5	113.5	113.5	113.5
170°	113.5	111.5	111.5	111.5
172.5°	111.5	111.5	109.5	111.5
175°	111.5	109.5	109.5	109.5
177.5°	111.5	111.5	111.5	111.5
180°	111.5	111.5	111.5	111.5

(END OF REPORT)