

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: McGRAW-EDISON

Report Number: P197516

Luminaire Tested: **TT-C2-LED-E1-5CQ-PM-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115438)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-5CQ-PM-LWR-LW-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3960.2 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 34
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

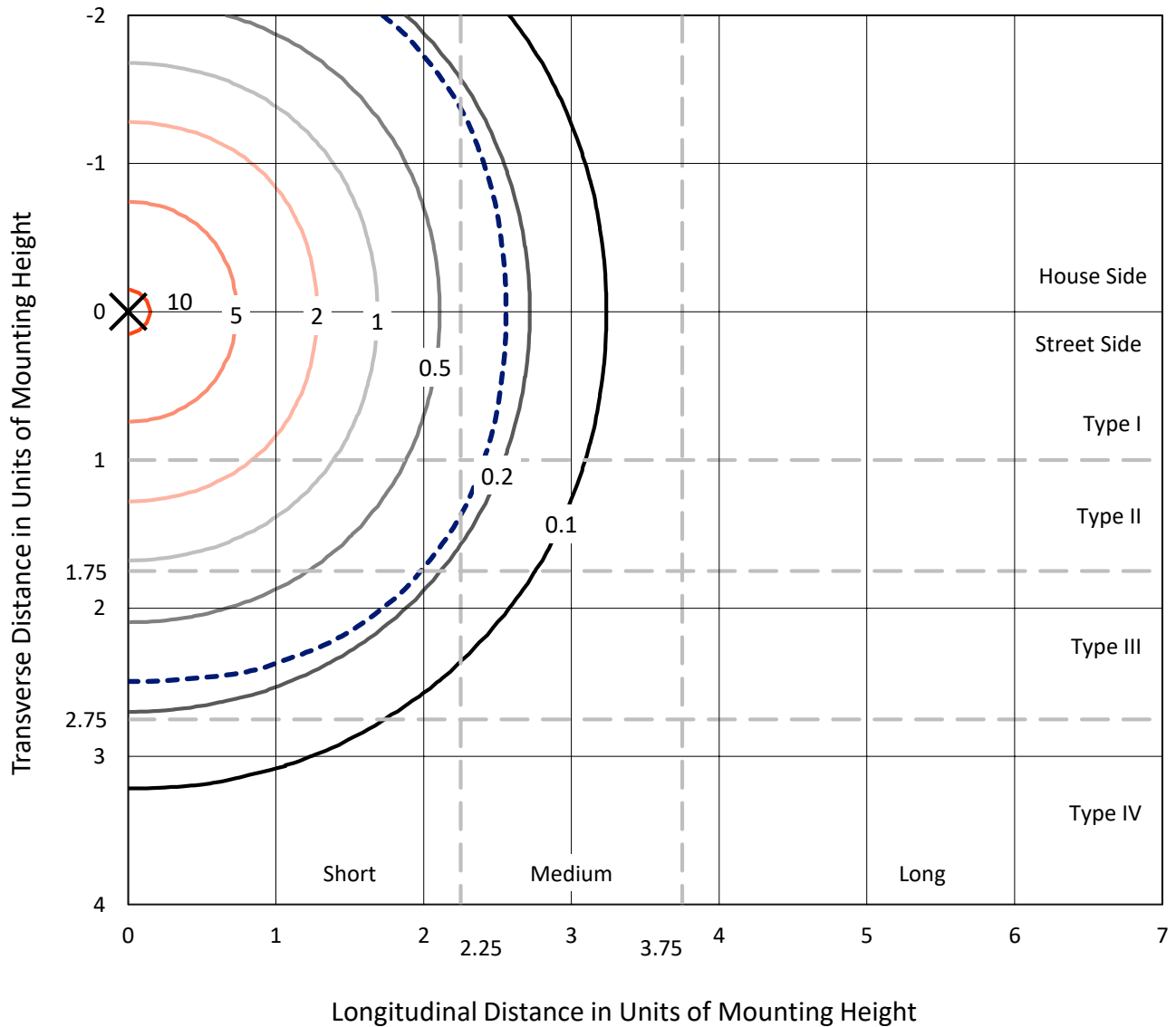


REPORT NUMBER: P197516

CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-LWR-LW-7060

Iso-Footcandle Lines of Horizontal Illumination

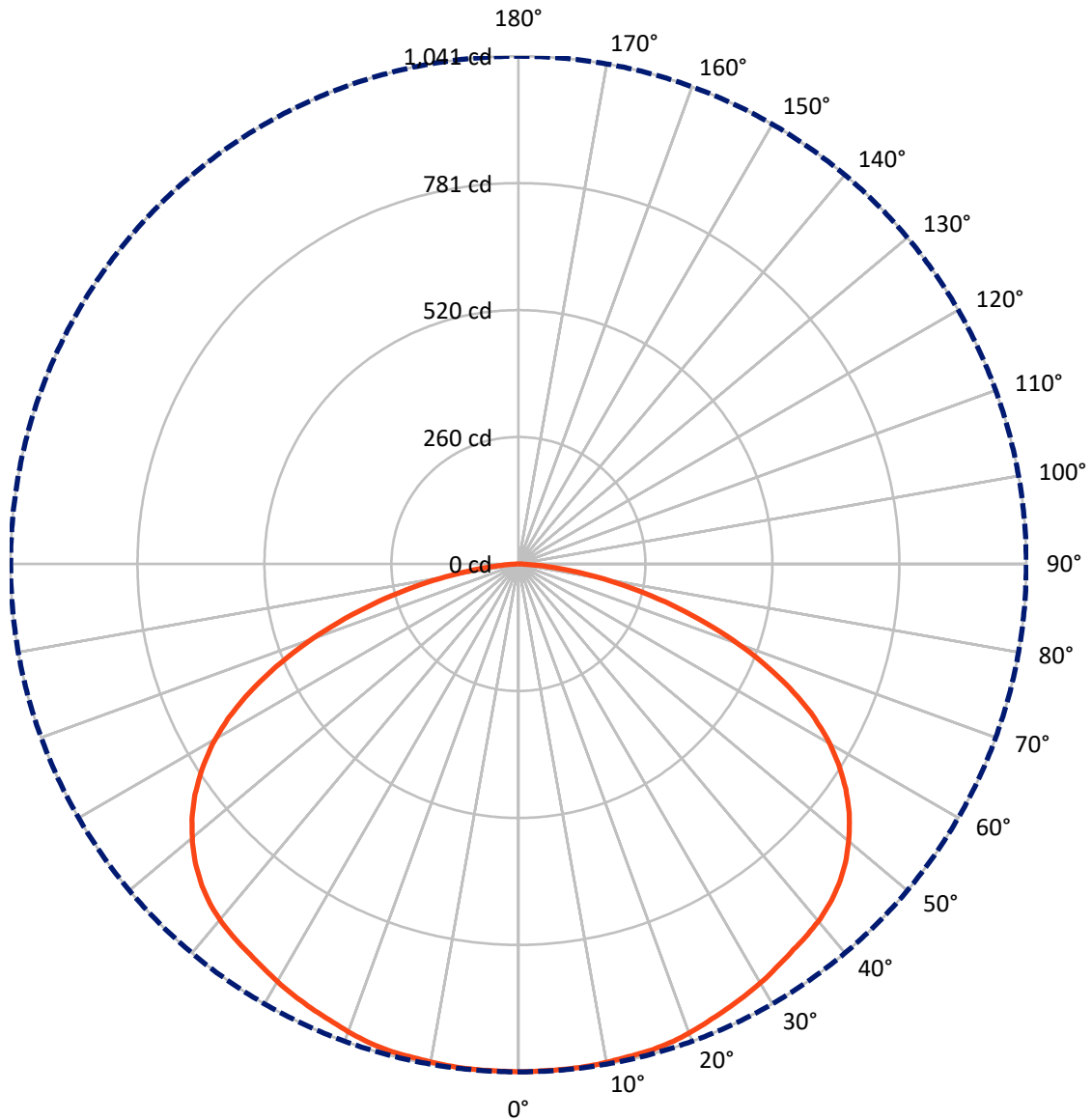
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197516
CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-LWR-LW-7060

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P197516

CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-LWR-LW-7060

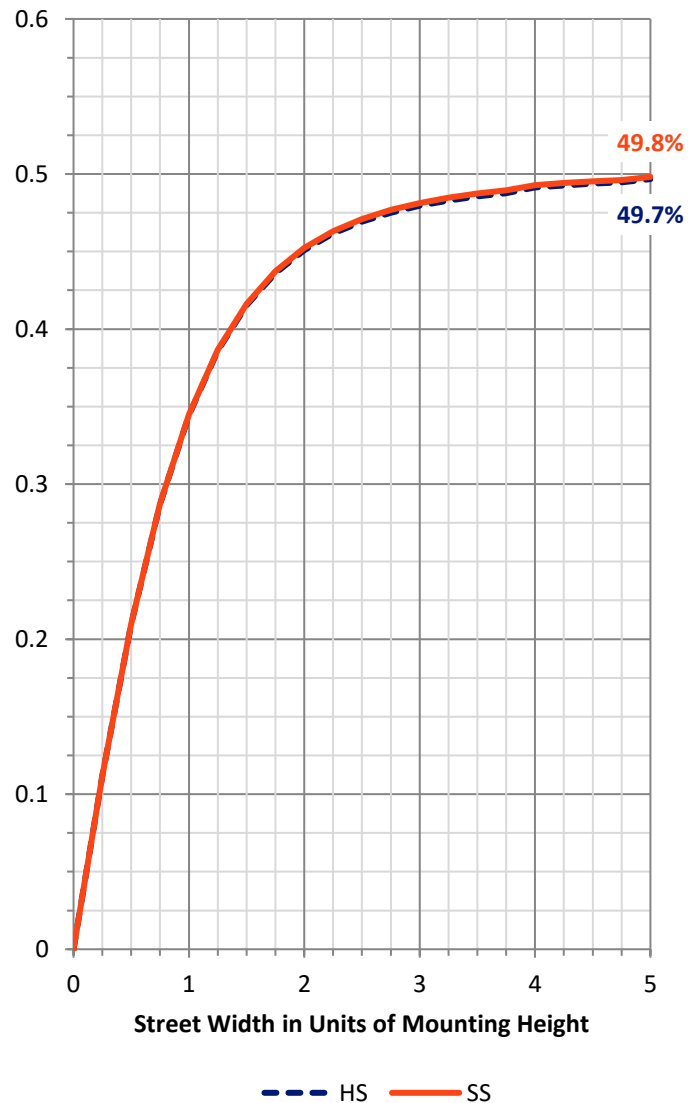
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1980.1	0.0	1980.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1980.1	0.0	1980.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3960.2	0.0	3960.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	2.5
10°-20°	292.1	7.4
20°-30°	465.1	11.7
30°-40°	609.8	15.4
40°-50°	719.2	18.2
50°-60°	744.9	18.8
60°-70°	623.0	15.7
70°-80°	339.6	8.6
80°-90°	67.4	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3960.2	100.0
0°-180°	3960.2	100.0



REPORT NUMBER: P197516

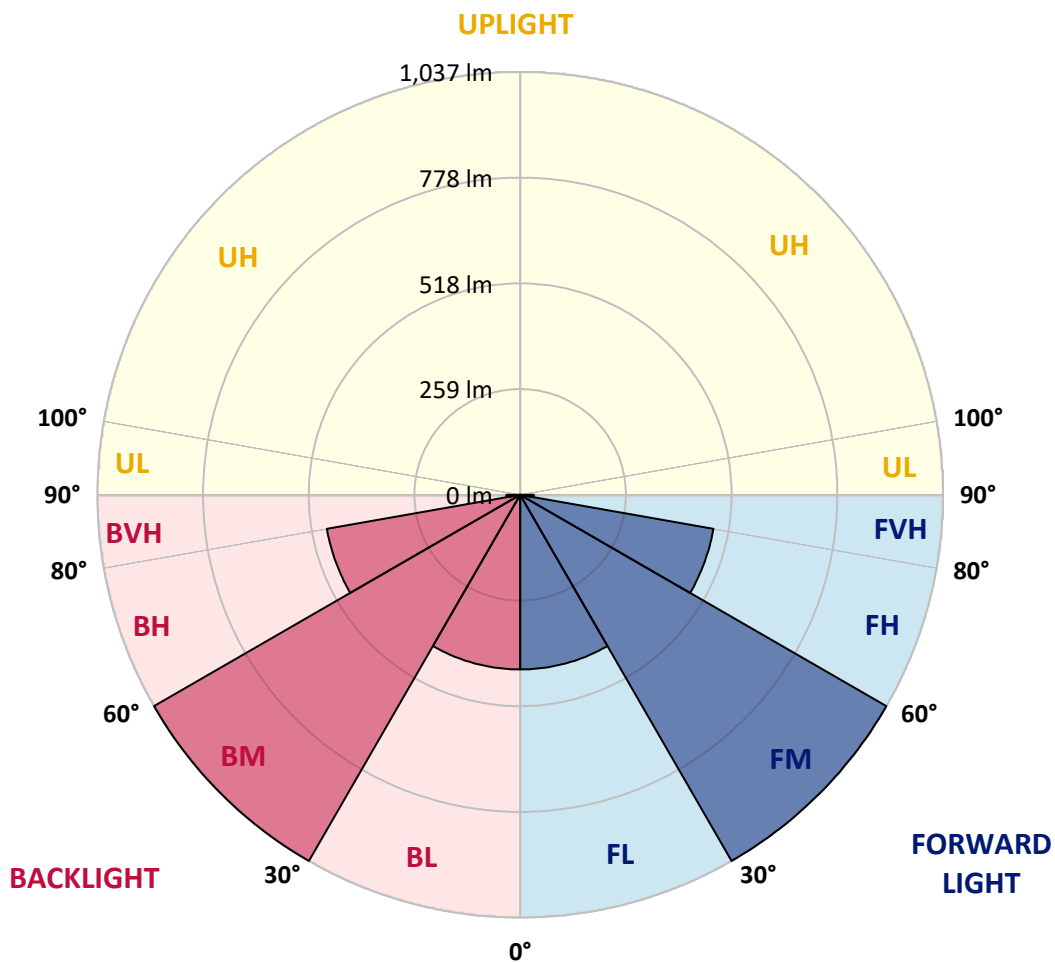
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.2	10.8			
FM (30°-60°)	1037.0	26.2			
FH (60°-80°)	481.3	12.2			G0/660
FVH (80°-90°)	33.7	0.9			G1/100
BL (0°-30°)	428.2	10.8	B1/500		
BM (30°-60°)	1037.0	26.2	B2/2500		
BH (60°-80°)	481.3	12.2	B1/500		G0/660
BVH (80°-90°)	33.7	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P197516

CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-LWR-LW-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8
2.5°	1039.9	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1039.9	1040.8	1040.8
5°	1039.9	1039.9	1039.9	1039.9	1040.8	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
7.5°	1039.1	1038.3	1038.3	1038.3	1038.3	1038.3	1039.1	1039.1	1039.1	1039.1	1039.1
10°	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6
12.5°	1034.1	1034.1	1034.1	1034.1	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1034.1
15°	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5
17.5°	1028.3	1028.3	1028.3	1028.3	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1
20°	1021.6	1021.6	1021.6	1021.6	1021.6	1022.4	1023.3	1023.3	1023.3	1023.3	1023.3
22.5°	1013.2	1013.2	1014.1	1014.1	1015.0	1015.0	1015.7	1015.7	1015.7	1015.7	1015.7
25°	1005.8	1005.8	1005.8	1006.6	1006.6	1006.6	1007.4	1008.3	1008.3	1008.3	1007.4
27.5°	998.2	998.2	998.2	999.1	999.1	999.1	999.9	999.9	1000.8	999.9	999.9
30°	989.9	989.1	989.1	989.9	990.8	990.8	991.6	991.6	991.6	991.6	990.8
32.5°	980.0	980.0	980.7	981.6	981.6	982.4	983.3	983.3	983.3	984.1	982.4
35°	970.8	971.6	971.6	972.4	974.1	974.9	975.7	976.6	976.6	976.6	974.9
37.5°	963.2	964.1	964.9	966.6	968.3	969.9	971.6	973.3	972.4	972.4	969.9
40°	954.1	954.9	956.6	958.2	961.6	963.2	965.8	967.4	968.3	967.4	964.9
42.5°	941.6	942.5	944.1	946.6	950.8	954.1	956.6	959.1	960.0	959.1	956.6
45°	925.0	925.7	927.5	930.8	935.8	939.1	943.2	945.8	947.4	947.4	945.0
47.5°	904.1	905.0	907.5	910.8	915.8	919.9	925.0	928.3	929.9	931.6	929.1
50°	878.3	879.1	882.4	886.6	890.7	896.6	902.4	907.5	909.9	910.8	909.9
52.5°	849.1	850.0	853.2	857.4	863.3	870.0	876.6	882.4	885.7	887.5	885.7
55°	814.1	815.7	818.3	824.1	830.8	836.6	844.9	851.6	855.8	856.6	855.8
57.5°	773.3	775.8	778.2	784.9	791.6	800.0	806.7	813.3	818.3	819.1	819.1
60°	727.5	729.1	731.6	738.3	745.8	751.7	760.7	767.4	771.6	771.6	772.4
62.5°	673.3	675.0	679.2	684.1	692.5	698.3	705.7	712.4	716.7	718.3	717.4
65°	609.9	611.6	614.1	620.8	627.4	634.1	641.6	647.4	651.6	652.5	651.6
67.5°	540.0	541.6	543.3	551.7	558.3	560.8	569.9	575.0	577.5	578.3	578.3
70°	465.8	466.6	469.1	473.3	480.8	483.3	489.1	493.3	495.0	498.3	495.8
72.5°	388.3	389.9	395.8	396.6	402.5	405.8	407.4	407.4	411.6	411.6	412.5
75°	311.6	312.5	315.0	315.8	320.0	320.0	319.2	320.8	324.1	324.1	325.0
77.5°	235.9	235.9	240.0	236.6	238.3	235.0	236.6	235.0	237.5	236.6	237.5
80°	165.0	165.0	167.5	164.1	165.0	161.6	162.5	161.6	161.6	162.5	162.5
82.5°	101.7	102.5	104.2	101.7	101.7	99.2	99.9	100.8	100.8	99.9	99.2
85°	50.0	50.0	51.6	50.8	50.0	48.3	49.2	50.0	50.0	49.2	49.2
87.5°	13.3	13.3	14.2	14.2	13.3	12.5	13.3	14.2	14.2	14.2	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P197516

CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-LWR-LW-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8	1040.8
2.5°	1039.9	1039.9	1040.8	1039.9	1040.8	1039.9	1040.8	1040.8
5°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
7.5°	1038.3	1039.1	1038.3	1038.3	1038.3	1039.1	1038.3	1039.1
10°	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6	1036.6
12.5°	1034.1	1034.1	1034.1	1034.1	1034.1	1034.1	1034.1	1033.2
15°	1032.5	1031.6	1031.6	1031.6	1030.7	1030.7	1030.7	1030.7
17.5°	1029.1	1028.3	1027.4	1027.4	1027.4	1027.4	1026.6	1026.6
20°	1023.3	1022.4	1021.6	1021.6	1020.8	1020.8	1019.9	1019.9
22.5°	1015.0	1015.0	1014.1	1013.2	1013.2	1012.4	1012.4	1011.6
25°	1007.4	1006.6	1005.8	1004.9	1004.1	1004.1	1003.3	1002.4
27.5°	999.1	997.5	996.6	995.7	995.0	994.1	993.3	992.4
30°	989.9	988.3	986.6	985.8	984.1	982.4	981.6	980.7
32.5°	980.7	979.1	976.6	974.1	972.4	970.8	969.1	968.3
35°	973.3	969.9	967.4	964.1	961.6	959.1	958.2	957.4
37.5°	967.4	964.1	960.0	956.6	954.1	950.8	949.1	947.4
40°	961.6	957.4	952.4	948.3	945.0	940.7	939.1	937.4
42.5°	953.3	948.3	943.2	938.3	933.3	929.1	926.6	925.0
45°	941.6	936.6	930.8	924.1	919.1	914.1	911.6	909.9
47.5°	925.7	920.8	914.1	908.2	902.4	897.4	894.1	892.4
50°	906.6	901.6	894.9	888.2	882.4	876.6	874.1	871.6
52.5°	882.4	878.3	870.7	865.8	859.1	853.2	850.7	849.1
55°	852.5	848.3	840.8	835.7	829.1	824.1	820.8	818.3
57.5°	815.7	812.5	804.1	799.1	792.4	787.4	784.9	783.3
60°	770.8	767.4	759.1	754.1	748.3	742.5	740.8	739.1
62.5°	714.9	713.3	706.6	700.8	694.9	689.1	687.5	686.6
65°	650.0	648.3	642.4	637.5	632.5	627.4	625.8	624.2
67.5°	575.8	575.0	569.9	565.8	562.5	557.5	556.6	554.9
70°	496.7	495.0	490.8	487.5	485.0	480.8	479.9	478.3
72.5°	414.1	413.3	410.8	406.7	406.7	400.8	400.0	399.1
75°	323.3	327.5	324.1	322.5	322.5	319.2	319.2	318.3
77.5°	236.6	240.8	243.3	240.0	243.3	240.0	240.0	239.1
80°	161.6	165.0	167.5	165.0	169.2	166.6	166.6	170.0
82.5°	98.3	101.7	103.3	102.5	105.0	104.2	103.3	105.8
85°	48.3	50.0	50.8	50.8	51.6	50.0	51.6	52.5
87.5°	12.5	13.3	14.2	13.3	14.2	14.2	14.2	15.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)