

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: P197540

Luminaire Tested: **TT-C2-LED-E1-5CQ-PM-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)
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-MS/DIM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4226.8 lumens
Efficiency: N/A
Efficacy: 124.3 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 (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

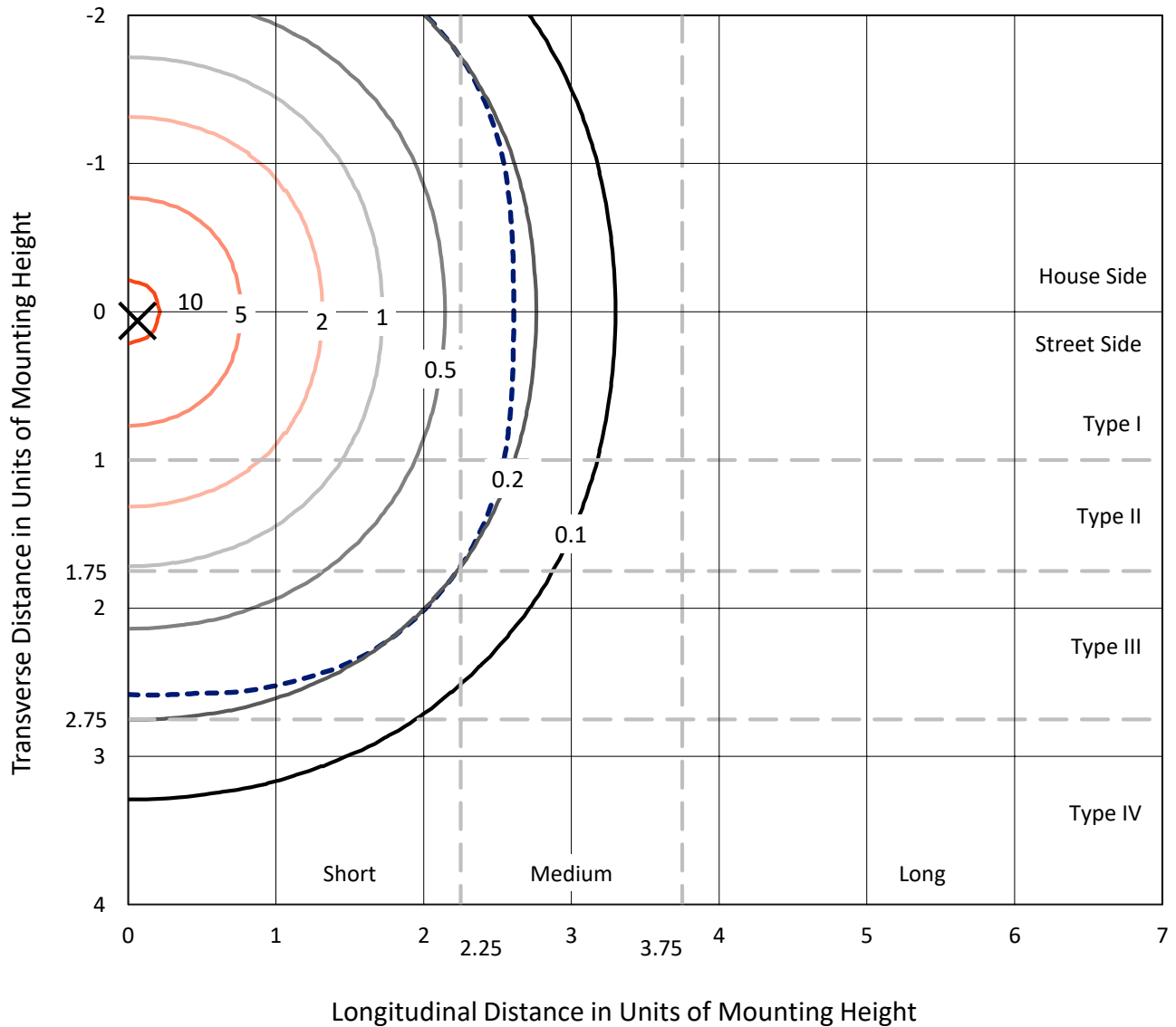


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Iso-Footcandle Lines of Horizontal Illumination

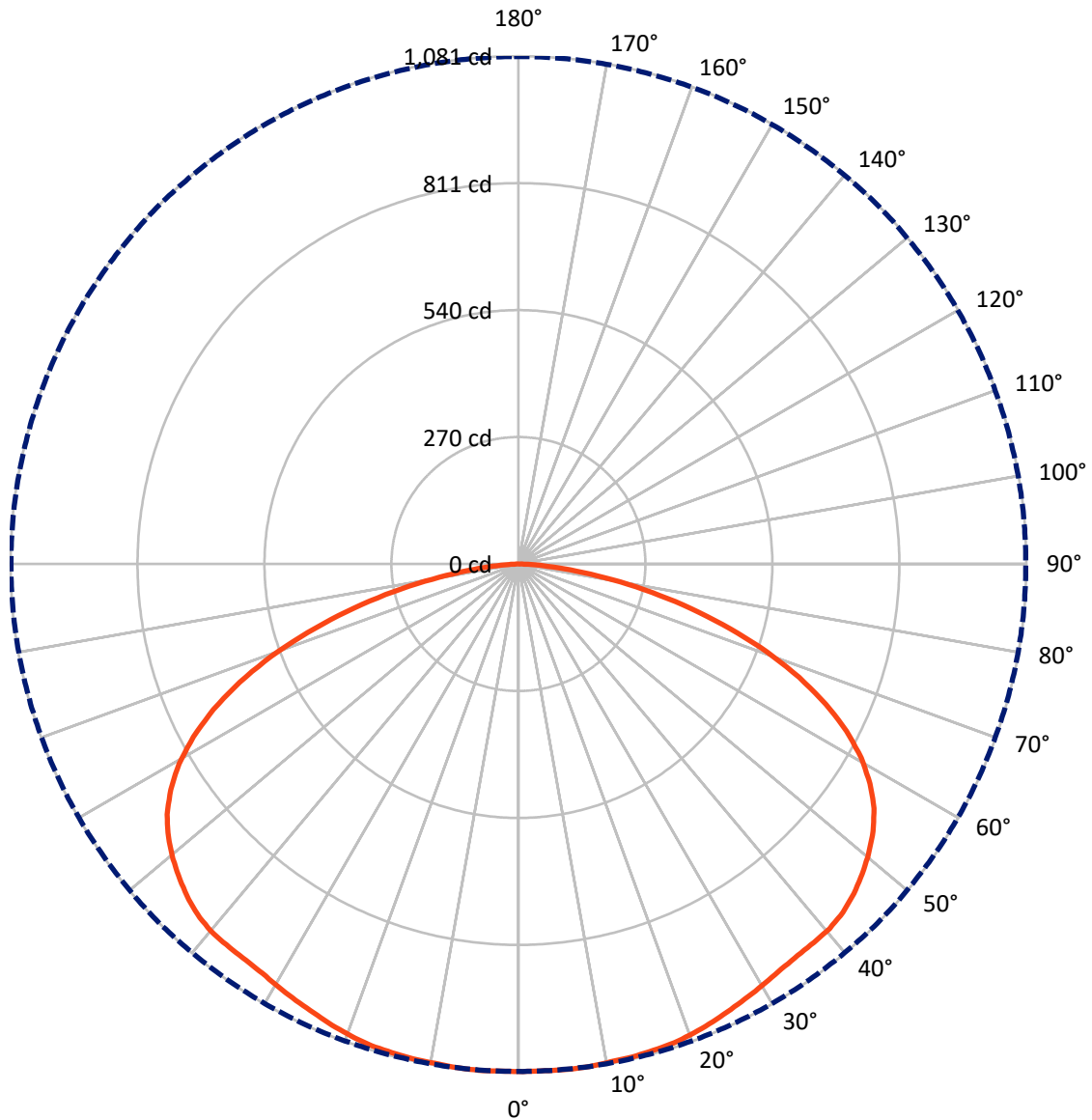
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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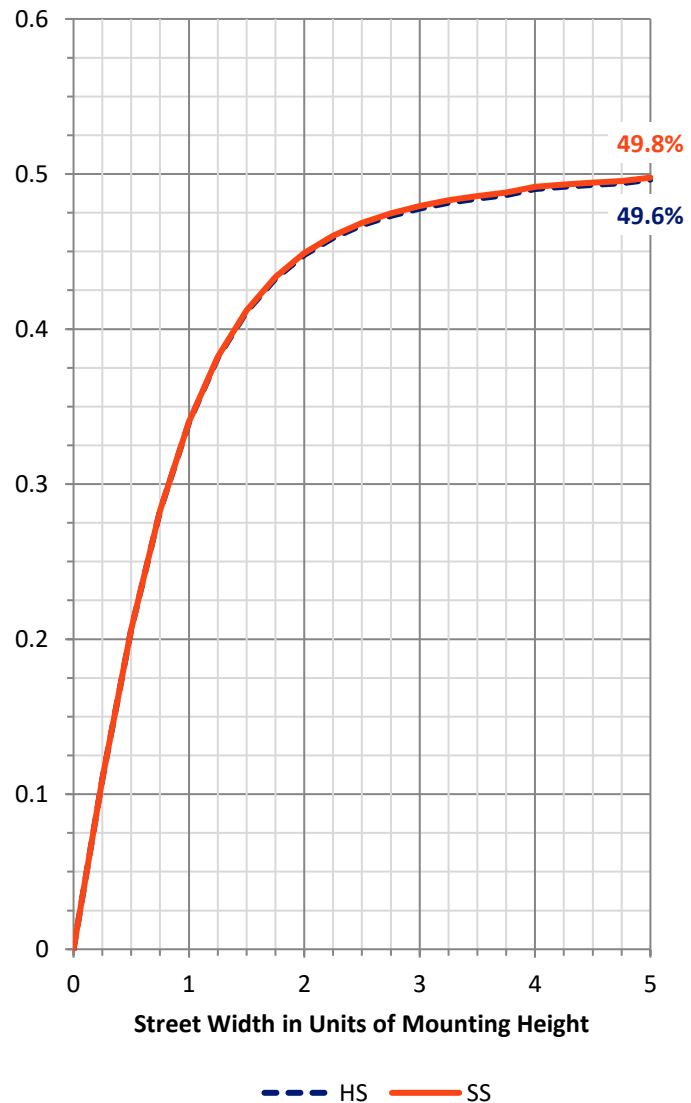
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2113.4	0.0	2113.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2113.4	0.0	2113.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4226.8	0.0	4226.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	2.4
10°-20°	303.8	7.2
20°-30°	484.8	11.5
30°-40°	638.6	15.1
40°-50°	759.6	18.0
50°-60°	795.0	18.8
60°-70°	676.1	16.0
70°-80°	384.2	9.1
80°-90°	81.7	1.9
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°	4226.8	100.0
0°-180°	4226.8	100.0



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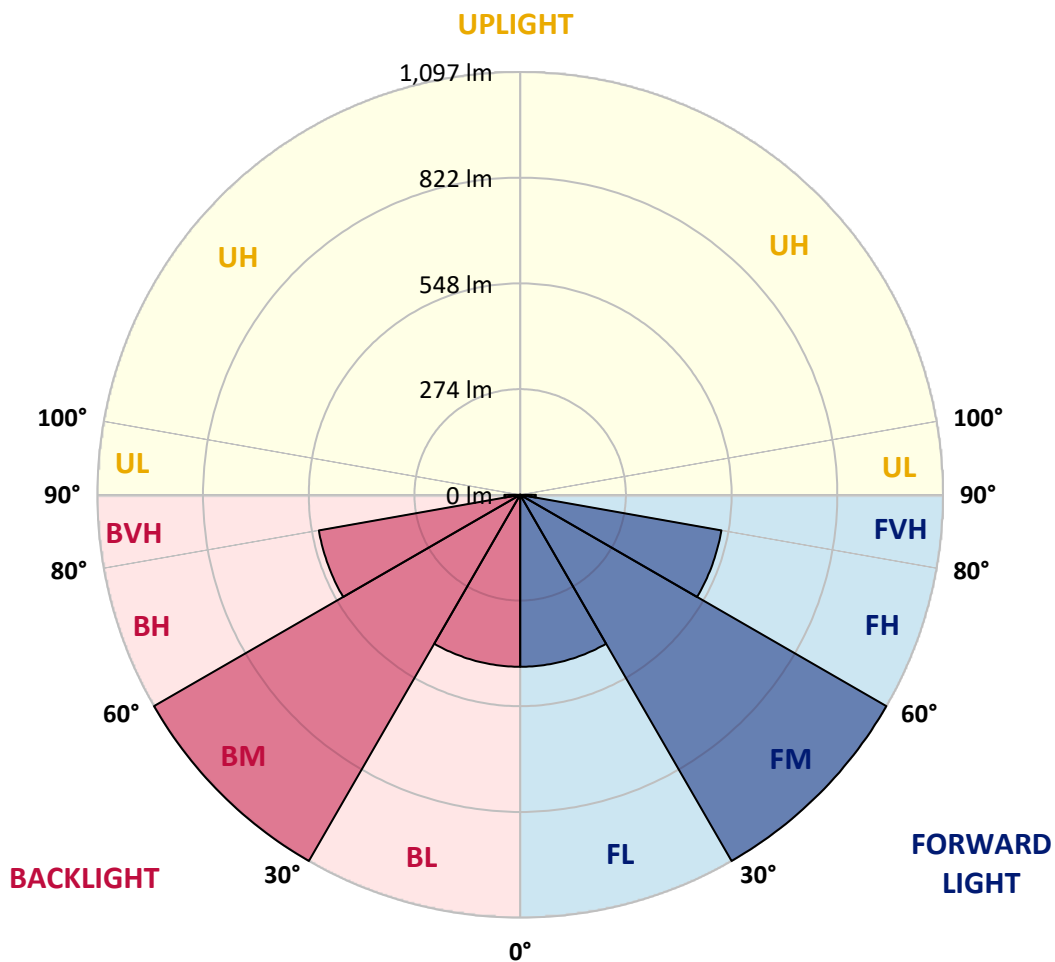
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.8	10.5			
FM	(30°-60°)	1096.6	25.9			
FH	(60°-80°)	530.1	12.5			G0/660
FVH	(80°-90°)	40.8	1.0			G1/100
BL	(0°-30°)	445.8	10.5	B1/500		
BM	(30°-60°)	1096.6	25.9	B2/2500		
BH	(60°-80°)	530.1	12.5	B2/1000		G0/660
BVH	(80°-90°)	40.8	1.0			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9
2.5°	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9
5°	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1080.8	1079.9
7.5°	1079.0	1079.0	1079.0	1079.0	1079.9	1079.0	1079.0	1079.9	1079.9	1079.9	1079.9
10°	1077.4	1076.6	1076.6	1077.4	1077.4	1077.4	1077.4	1077.4	1078.3	1077.4	1077.4
12.5°	1074.9	1074.1	1074.9	1074.9	1074.9	1075.8	1075.8	1075.8	1076.6	1076.6	1075.8
15°	1072.4	1072.4	1072.4	1072.4	1072.4	1073.2	1073.2	1074.1	1074.1	1074.1	1074.1
17.5°	1069.1	1069.1	1069.1	1070.0	1070.0	1070.7	1070.7	1070.7	1071.6	1071.6	1071.6
20°	1063.3	1062.4	1063.3	1063.3	1064.1	1064.9	1064.9	1065.8	1065.8	1065.8	1065.8
22.5°	1054.9	1054.9	1055.8	1055.8	1056.6	1057.4	1057.4	1058.3	1058.3	1058.3	1058.3
25°	1046.6	1047.4	1047.4	1048.2	1048.2	1049.1	1050.0	1050.0	1050.0	1050.0	1050.0
27.5°	1038.3	1039.1	1039.1	1039.1	1039.9	1040.8	1041.6	1042.4	1043.3	1042.4	1042.4
30°	1029.1	1029.1	1029.9	1030.7	1031.6	1032.5	1034.1	1035.0	1035.7	1035.0	1035.0
32.5°	1019.1	1019.9	1020.8	1021.6	1023.3	1024.9	1026.6	1027.4	1028.3	1027.4	1027.4
35°	1011.6	1011.6	1013.2	1015.0	1016.6	1019.1	1020.8	1022.4	1024.0	1023.3	1022.4
37.5°	1004.1	1004.1	1005.8	1008.3	1011.6	1015.0	1018.2	1020.8	1021.6	1021.6	1020.8
40°	995.0	995.7	997.5	1001.6	1006.6	1010.8	1015.0	1018.2	1019.9	1019.9	1018.2
42.5°	984.9	985.8	988.3	992.4	998.2	1003.3	1008.3	1010.8	1013.2	1013.2	1011.6
45°	970.8	971.6	974.9	979.1	984.9	989.9	995.7	998.2	1001.6	1000.8	999.9
47.5°	952.4	953.3	956.6	960.7	966.6	972.4	978.2	982.4	984.9	984.9	984.1
50°	929.9	930.8	934.1	938.3	945.8	952.4	958.2	962.5	966.6	966.6	965.8
52.5°	901.6	903.3	905.7	911.6	919.9	927.5	934.9	941.6	944.1	945.0	944.1
55°	866.6	868.2	871.6	878.3	887.5	896.6	905.0	912.4	915.8	918.3	916.6
57.5°	825.8	827.4	831.6	839.1	849.1	858.3	869.1	877.4	879.9	882.4	881.6
60°	777.5	780.0	784.1	792.4	802.4	812.5	822.4	832.5	835.0	838.3	836.6
62.5°	720.8	723.3	727.5	736.6	747.5	756.6	768.3	777.5	780.0	783.3	782.5
65°	655.8	658.3	662.4	672.5	682.4	692.5	703.3	713.3	715.8	719.1	718.3
67.5°	581.6	584.1	588.3	600.0	609.9	620.0	629.1	639.1	640.8	644.2	643.3
70°	503.3	506.6	510.0	520.8	530.0	538.3	548.3	556.6	560.0	561.6	560.0
72.5°	424.9	427.4	430.8	438.3	444.9	452.5	462.4	468.3	470.8	471.6	471.6
75°	344.1	346.6	346.6	354.9	360.0	364.1	372.4	376.6	378.3	380.0	380.0
77.5°	267.5	265.8	267.5	270.8	274.1	277.5	282.4	285.0	286.6	290.0	288.3
80°	187.5	188.3	189.2	191.7	193.3	194.2	197.5	198.4	199.1	202.5	200.9
82.5°	120.8	119.2	120.8	120.0	121.7	119.2	120.8	123.3	121.7	123.3	124.1
85°	63.3	60.8	60.8	61.7	62.5	60.8	61.7	60.8	60.8	62.5	61.7
87.5°	20.0	19.1	20.0	19.1	20.0	19.1	20.0	20.9	20.0	20.0	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9
2.5°	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9
5°	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9
7.5°	1079.0	1079.0	1079.0	1079.0	1079.0	1079.0	1078.3	1079.0
10°	1077.4	1077.4	1077.4	1077.4	1076.6	1076.6	1076.6	1076.6
12.5°	1075.8	1075.8	1074.9	1074.9	1074.9	1074.9	1074.1	1074.1
15°	1074.1	1073.2	1073.2	1072.4	1072.4	1072.4	1071.6	1072.4
17.5°	1071.6	1070.7	1070.7	1070.0	1070.0	1069.1	1069.1	1069.1
20°	1065.8	1064.9	1064.9	1064.1	1064.1	1063.3	1062.4	1062.4
22.5°	1057.4	1057.4	1057.4	1056.6	1055.8	1055.8	1054.9	1054.9
25°	1050.0	1049.1	1049.1	1048.2	1047.4	1047.4	1046.6	1046.6
27.5°	1042.4	1041.6	1040.8	1039.1	1039.1	1038.3	1037.4	1036.6
30°	1034.1	1032.5	1030.7	1029.9	1029.1	1027.4	1026.6	1025.8
32.5°	1025.8	1024.0	1022.4	1020.8	1018.2	1017.5	1015.7	1015.7
35°	1020.8	1018.2	1015.7	1012.4	1009.9	1007.4	1005.8	1004.9
37.5°	1018.2	1015.0	1010.8	1006.6	1002.4	999.1	996.6	996.6
40°	1015.0	1010.8	1005.8	999.9	995.0	990.8	988.3	987.4
42.5°	1008.3	1004.1	997.5	992.4	985.8	981.6	978.2	977.5
45°	996.6	992.4	986.6	980.0	973.3	968.3	964.9	964.1
47.5°	981.6	976.6	969.9	963.2	956.6	950.8	947.4	946.6
50°	962.5	957.4	950.8	944.1	936.6	930.8	926.6	926.6
52.5°	940.7	934.9	927.5	919.9	911.6	905.7	901.6	900.8
55°	912.4	905.7	898.3	890.0	880.8	874.1	869.1	868.2
57.5°	877.4	870.0	861.7	852.5	843.3	835.7	829.9	829.1
60°	833.2	824.9	816.6	807.4	797.5	789.2	783.3	781.6
62.5°	779.1	769.9	760.7	752.4	741.6	733.3	727.5	725.7
65°	714.9	707.5	698.3	688.2	676.6	668.3	662.4	661.7
67.5°	639.9	632.5	623.3	614.1	602.5	595.0	589.2	587.4
70°	557.5	550.8	543.3	534.2	524.1	516.7	510.8	510.0
72.5°	470.0	464.2	457.5	450.8	440.8	435.0	430.0	429.2
75°	380.0	374.2	369.2	364.1	356.7	352.4	347.5	347.5
77.5°	288.3	286.6	283.3	277.5	273.3	270.0	267.5	265.8
80°	201.6	200.0	198.4	195.0	192.5	191.7	189.9	188.3
82.5°	123.3	122.5	123.3	121.7	120.8	120.8	120.0	118.3
85°	62.5	63.3	62.5	61.7	61.7	61.7	61.7	60.8
87.5°	20.0	20.9	20.0	19.1	19.1	19.1	19.1	18.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)