

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: P197829

Luminaire Tested: **TT-C3-LED-E1-5WQ-PM-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-5WQ-PM-CG-MS/DIM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4628.8 lumens
Efficiency: N/A
Efficacy: 102.9 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): 45
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

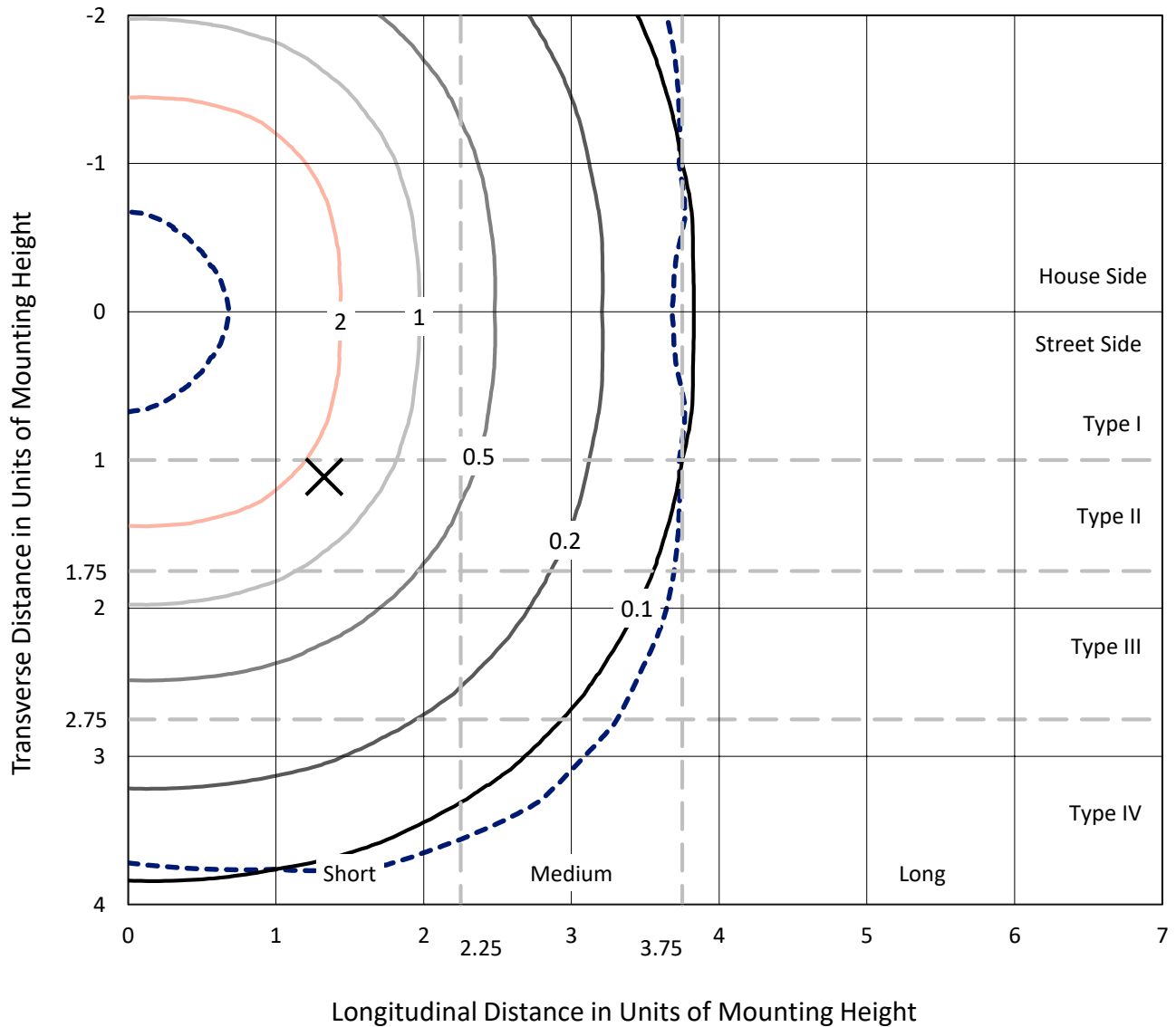


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

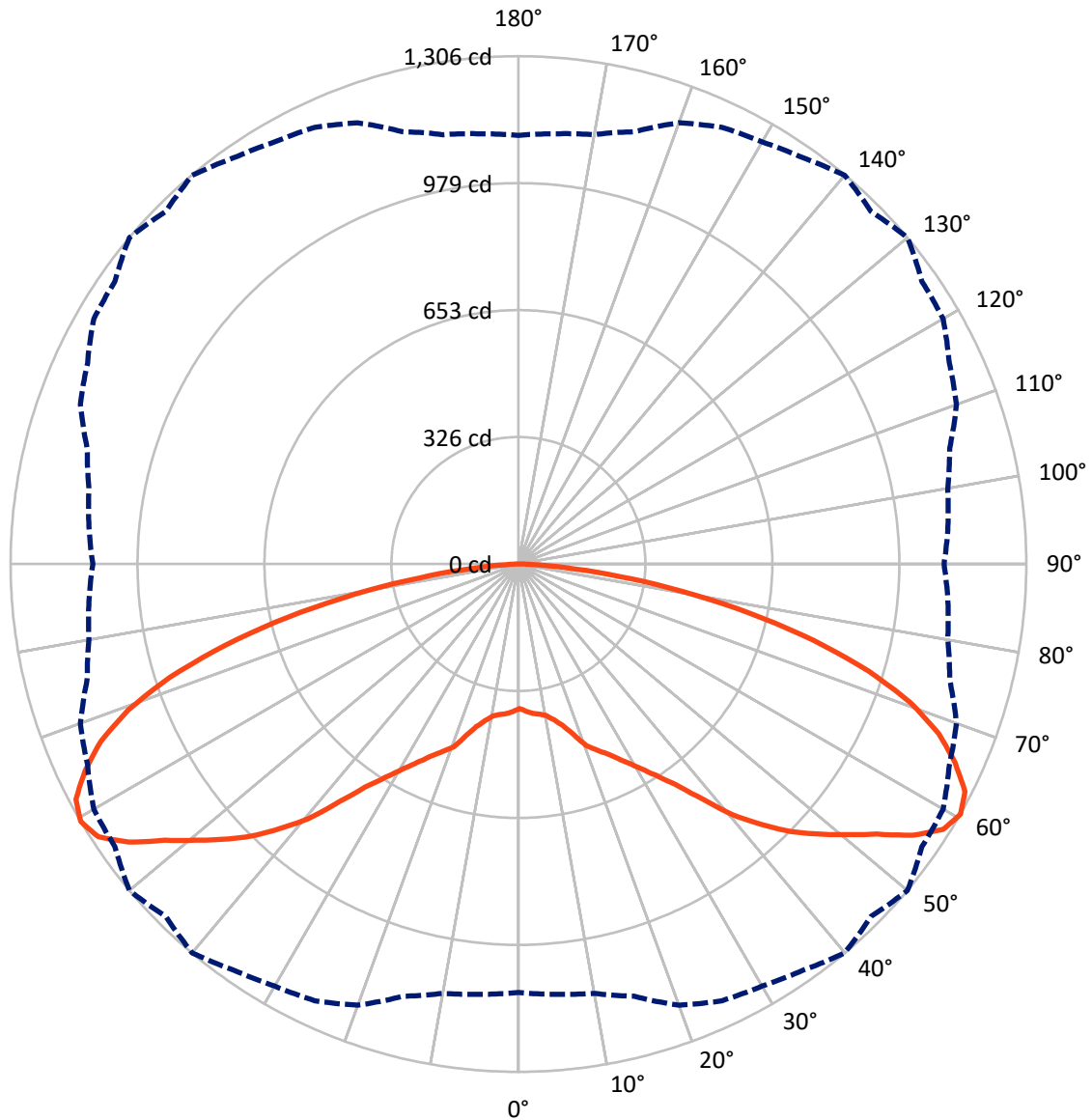


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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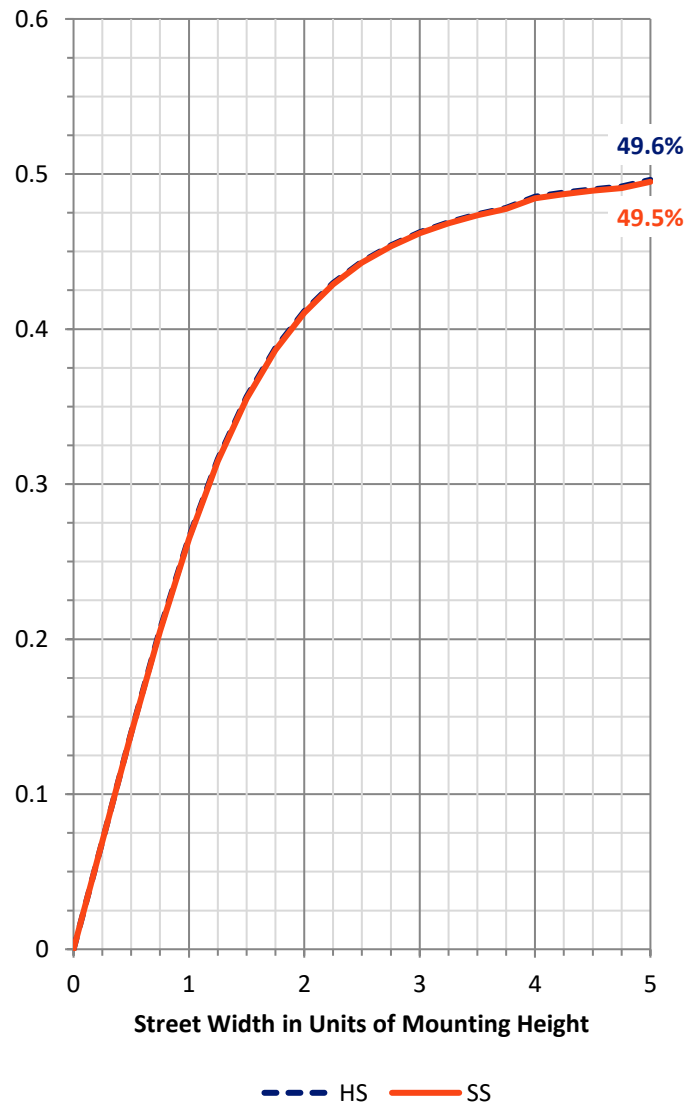
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2314.4	0.0	2314.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2314.4	0.0	2314.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4628.8	0.0	4628.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	0.8
10°-20°	124.9	2.7
20°-30°	252.1	5.4
30°-40°	435.8	9.4
40°-50°	723.8	15.6
50°-60°	1028.6	22.2
60°-70°	1123.6	24.3
70°-80°	746.4	16.1
80°-90°	156.7	3.4
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°	4628.8	100.0
0°-180°	4628.8	100.0



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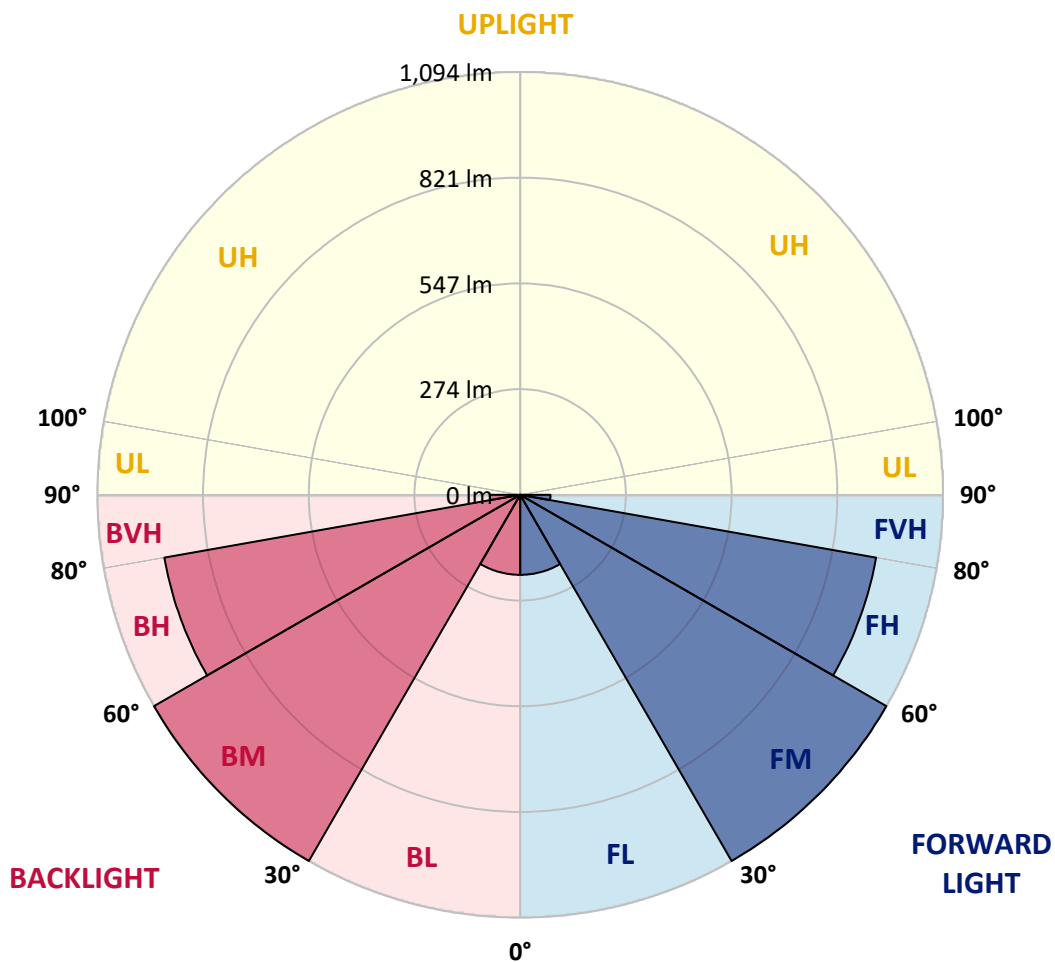
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.0	4.5			
FM	(30°-60°)	1094.1	23.6			
FH	(60°-80°)	935.0	20.2			G1/1800
FVH	(80°-90°)	78.3	1.7			G1/100
BL	(0°-30°)	207.0	4.5	B1/500		
BM	(30°-60°)	1094.1	23.6	B2/2500		
BH	(60°-80°)	935.0	20.2	B2/1000		G1/1800
BVH	(80°-90°)	78.3	1.7			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°	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4
2.5°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	378.1	379.0	379.0
5°	382.9	382.9	382.9	383.8	383.8	383.8	384.8	384.8	384.8	385.7	385.7
7.5°	385.7	385.7	385.7	385.7	386.7	386.7	386.7	387.7	387.7	388.6	389.6
10°	398.2	398.2	398.2	398.2	398.2	397.2	397.2	397.2	396.3	396.3	396.3
12.5°	413.5	414.5	415.4	415.4	415.4	415.4	413.5	411.6	411.6	411.6	411.6
15°	427.9	428.8	429.8	431.7	432.7	433.6	433.6	433.6	433.6	433.6	431.7
17.5°	450.8	451.8	451.8	452.8	453.7	453.7	454.7	457.5	461.4	463.3	461.4
20°	486.3	488.2	489.1	489.1	490.1	489.1	491.0	493.0	495.8	497.7	498.7
22.5°	512.1	514.0	516.9	516.9	516.9	515.9	517.8	518.8	517.8	517.8	519.8
25°	532.2	534.1	536.0	537.0	538.9	542.7	546.6	546.6	543.7	542.7	542.7
27.5°	558.0	560.9	560.9	561.9	563.8	566.7	570.5	573.4	575.3	573.4	572.4
30°	591.5	593.5	594.4	593.5	597.3	598.2	599.2	601.1	606.9	610.7	605.9
32.5°	617.4	620.3	623.1	627.0	635.6	639.4	638.4	640.4	642.3	646.1	647.1
35°	656.6	661.4	662.4	665.2	675.8	681.5	690.1	694.9	694.0	689.2	695.9
37.5°	716.0	721.7	722.7	727.5	738.0	742.8	752.4	764.8	767.7	761.0	764.8
40°	778.2	785.9	792.6	803.1	820.3	826.1	837.5	844.2	853.8	854.8	848.1
42.5°	830.8	839.5	839.5	857.6	876.8	893.1	907.4	908.4	915.1	924.6	915.1
45°	887.3	894.0	896.9	912.2	923.7	944.7	965.8	973.5	976.3	978.3	981.1
47.5°	939.0	947.6	950.5	963.9	976.3	995.5	1008.9	1031.9	1037.6	1029.9	1037.6
50°	971.5	981.1	988.8	1016.5	1038.6	1054.8	1066.3	1086.4	1097.9	1092.2	1093.1
52.5°	1022.3	1025.2	1032.8	1048.1	1079.7	1123.7	1137.1	1143.8	1160.1	1168.7	1153.4
55°	1091.2	1100.8	1106.5	1124.7	1141.0	1172.6	1223.3	1233.8	1230.0	1256.8	1230.9
57.5°	1102.7	1117.0	1135.2	1169.7	1198.4	1215.6	1247.2	1283.6	1282.6	1286.5	1287.4
60°	1101.7	1110.3	1120.9	1150.5	1207.0	1238.6	1253.0	1275.0	1304.7	1281.7	1305.6
62.5°	1095.0	1107.5	1119.0	1140.0	1170.6	1215.6	1255.8	1253.0	1293.2	1275.0	1288.4
65°	1054.8	1066.3	1087.4	1115.1	1152.5	1173.5	1213.7	1239.6	1233.8	1258.7	1233.8
67.5°	985.0	995.5	1012.7	1045.3	1084.5	1115.1	1129.5	1172.6	1167.8	1195.5	1165.9
70°	889.2	902.6	922.7	945.7	984.0	1016.5	1032.8	1060.6	1074.0	1072.1	1070.1
72.5°	774.4	785.9	802.1	827.0	859.6	891.1	903.6	924.6	946.7	940.0	941.9
75°	646.1	655.7	668.1	683.4	714.1	739.0	753.3	772.5	789.7	784.9	783.0
77.5°	497.7	509.2	522.6	537.0	549.4	572.4	582.9	596.3	610.7	607.8	608.8
80°	348.4	358.0	366.6	381.9	391.5	399.1	410.6	416.4	426.9	425.0	427.9
82.5°	212.5	219.2	224.9	232.6	241.2	239.3	240.3	247.0	255.6	250.8	258.4
85°	104.3	103.4	109.1	111.0	116.8	115.8	114.9	118.7	123.5	120.6	120.6
87.5°	26.8	26.8	26.8	27.8	30.6	33.5	30.6	32.5	34.5	35.4	34.5
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°	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4
2.5°	378.1	379.0	378.1	379.0	379.0	379.0	379.0	378.1
5°	385.7	384.8	384.8	384.8	383.8	382.9	382.9	382.9
7.5°	389.6	389.6	388.6	387.7	386.7	386.7	388.6	387.7
10°	398.2	399.1	400.1	401.1	400.1	399.1	399.1	398.2
12.5°	411.6	412.5	414.5	416.4	416.4	415.4	413.5	412.5
15°	430.7	429.8	430.7	432.7	432.7	429.8	426.9	426.0
17.5°	457.5	454.7	452.8	452.8	454.7	451.8	448.9	449.9
20°	494.9	490.1	489.1	486.3	489.1	489.1	484.3	484.3
22.5°	521.7	517.8	514.0	511.1	515.0	516.9	512.1	508.3
25°	546.6	545.6	539.9	537.0	537.0	537.9	531.2	532.2
27.5°	571.4	571.4	567.6	562.8	560.9	563.8	558.0	556.1
30°	601.1	598.2	601.1	594.4	589.6	592.5	592.5	588.7
32.5°	639.4	635.6	638.4	630.8	624.1	623.1	618.3	612.6
35°	694.0	684.4	679.6	675.8	662.4	661.4	660.5	655.7
37.5°	762.9	750.4	739.9	740.9	721.7	716.9	716.9	710.2
40°	845.2	837.5	822.2	816.5	797.3	784.9	783.9	771.5
42.5°	902.6	905.5	885.4	872.0	856.7	837.5	838.5	825.1
45°	965.8	960.1	941.9	919.9	913.2	892.1	893.1	879.7
47.5°	1026.1	1005.1	995.5	971.5	961.0	937.1	940.0	930.4
50°	1085.5	1062.5	1052.0	1026.1	1008.9	984.0	981.1	961.0
52.5°	1148.6	1126.6	1112.3	1074.9	1052.0	1032.8	1025.2	1015.6
55°	1230.9	1208.9	1173.5	1137.1	1119.9	1090.2	1087.4	1074.9
57.5°	1267.3	1250.1	1212.8	1188.8	1154.4	1123.7	1112.3	1088.3
60°	1266.4	1260.6	1222.3	1198.4	1147.7	1120.9	1108.4	1094.1
62.5°	1255.8	1249.1	1204.1	1177.3	1131.4	1108.4	1098.9	1080.7
65°	1234.8	1211.8	1171.6	1149.6	1099.8	1079.7	1058.7	1042.4
67.5°	1175.4	1127.6	1109.4	1081.6	1032.8	1011.8	991.7	975.4
70°	1064.4	1029.0	1012.7	978.3	936.1	922.7	897.8	879.7
72.5°	922.7	903.6	886.4	849.0	819.4	806.0	781.1	765.8
75°	765.8	754.3	730.3	702.6	675.8	671.0	644.2	638.4
77.5°	594.4	583.9	564.7	544.6	532.2	522.6	498.7	496.8
80°	416.4	409.7	394.4	385.7	377.1	368.5	352.2	350.3
82.5°	246.0	241.2	242.2	233.6	228.8	226.9	214.4	215.4
85°	118.7	114.9	114.9	114.9	110.1	109.1	101.5	102.4
87.5°	34.5	30.6	30.6	30.6	28.7	28.7	24.9	25.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)