

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: P197687

Luminaire Tested: **TT-C3-LED-E1-MQ-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115363)
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-MQ-CG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5145.4 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

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

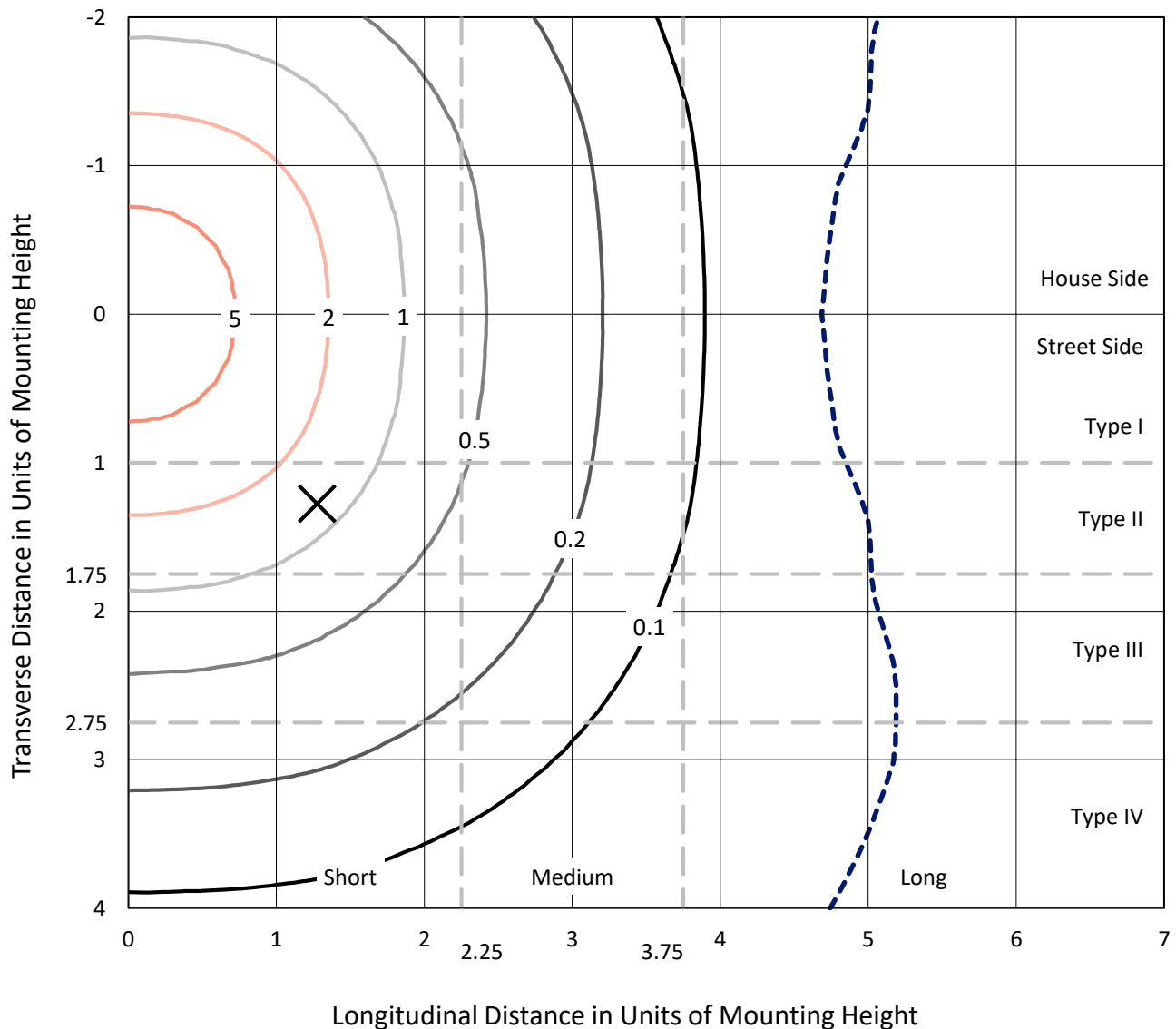


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

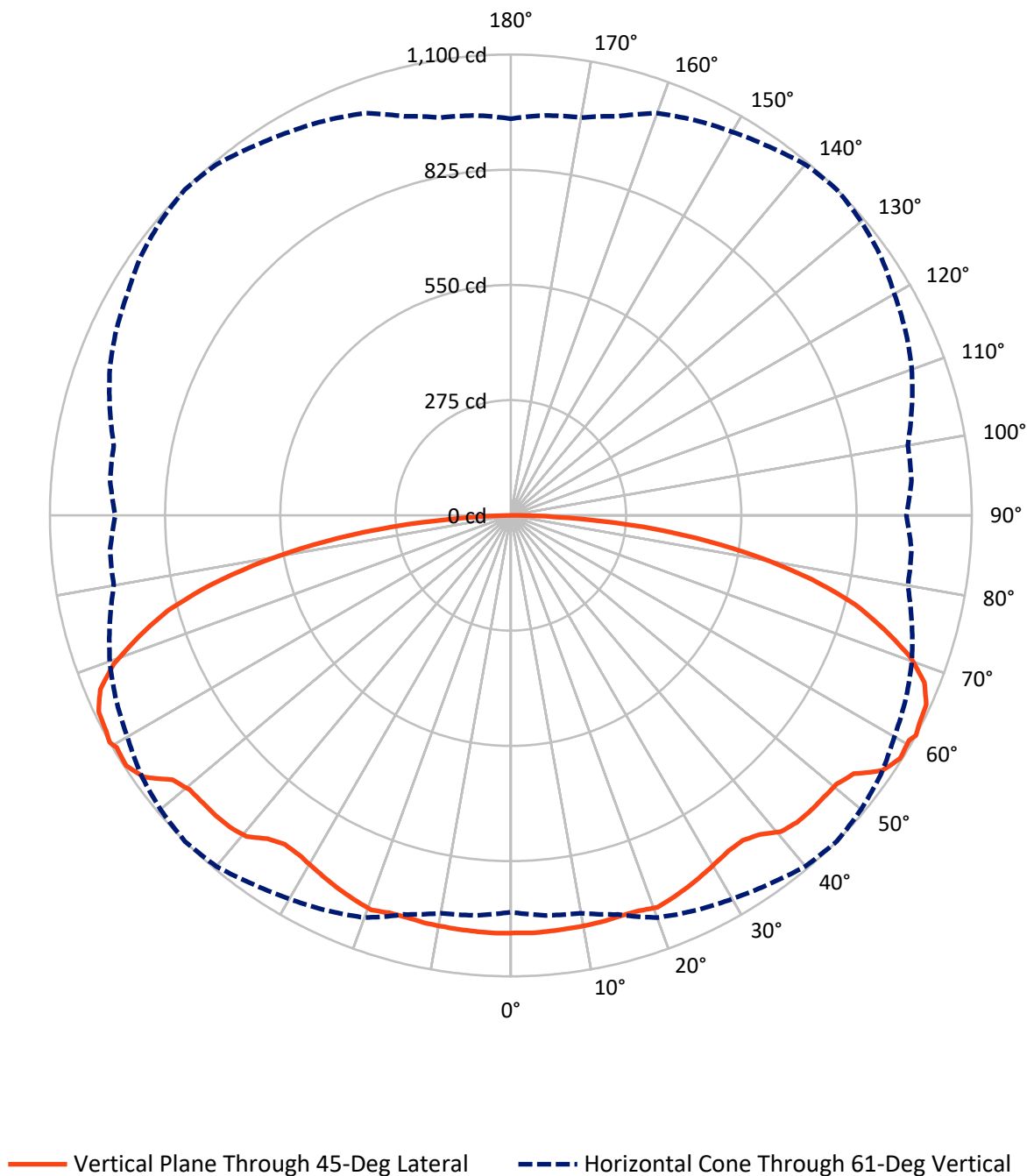


Based on 10 foot mounting height. Maximum calculated value = 10 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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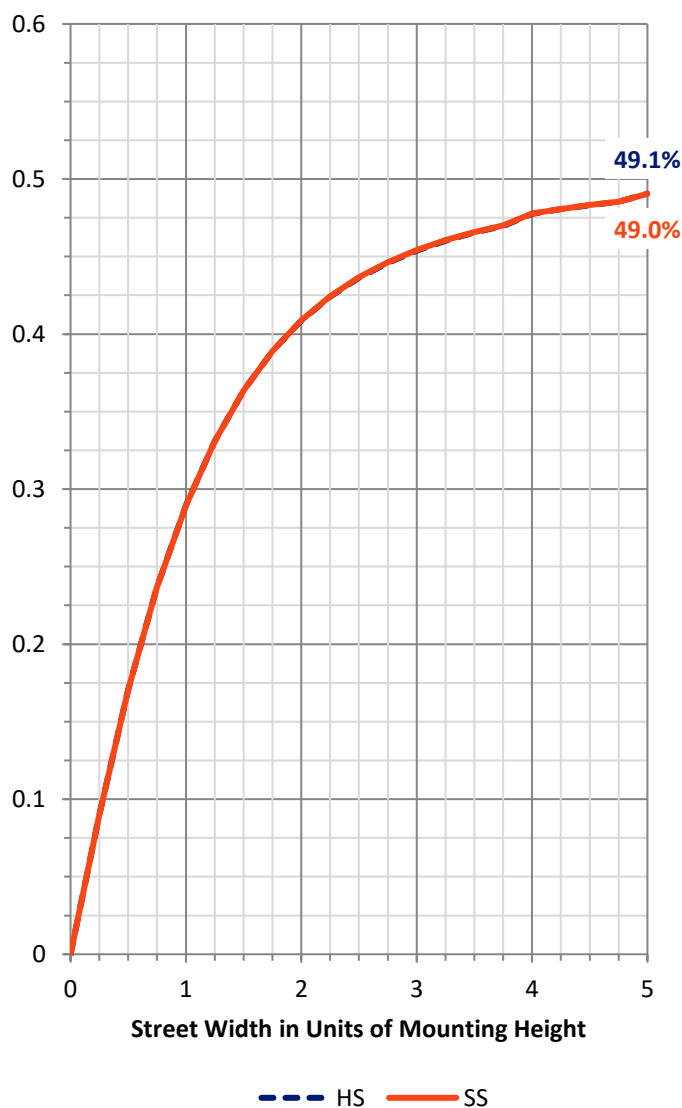
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2572.7	0.0	2572.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2572.7	0.0	2572.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5145.4	0.0	5145.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.8
10°-20°	281.2	5.5
20°-30°	452.4	8.8
30°-40°	599.3	11.6
40°-50°	756.8	14.7
50°-60°	906.8	17.6
60°-70°	991.5	19.3
70°-80°	793.7	15.4
80°-90°	268.5	5.2
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°	5145.4	100.0
0°-180°	5145.4	100.0

Coefficient of Utilization



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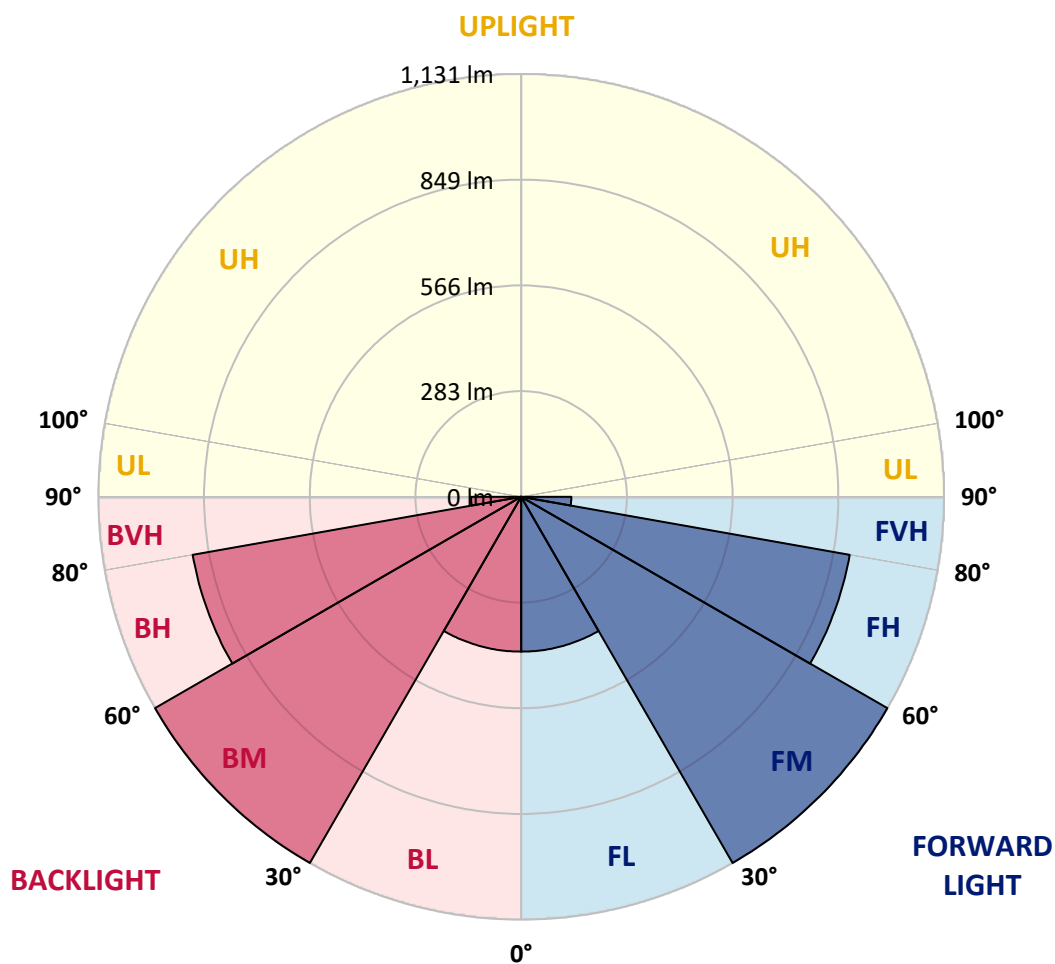
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	414.3	8.1			
FM	(30°-60°)	1131.5	22.0			
FH	(60°-80°)	892.6	17.3			G1/1800
FVH	(80°-90°)	134.3	2.6			G2/225
BL	(0°-30°)	414.3	8.1	B1/500		
BM	(30°-60°)	1131.5	22.0	B2/2500		
BH	(60°-80°)	892.6	17.3	B2/1000		G1/1800
BVH	(80°-90°)	134.3	2.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	997.9	996.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9
5°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
7.5°	995.9	995.9	995.9	995.9	995.9	995.9	995.9	995.9	996.9	995.9	996.9
10°	994.0	994.0	994.0	994.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
12.5°	992.1	992.1	992.1	992.1	993.0	993.0	993.0	993.0	994.0	994.0	993.0
15°	990.1	989.2	989.2	990.1	990.1	991.1	991.1	991.1	992.1	991.1	991.1
17.5°	988.3	987.3	988.3	989.2	989.2	990.1	991.1	991.1	992.1	992.1	992.1
20°	991.1	990.1	991.1	992.1	993.0	995.0	995.9	996.9	997.9	998.9	998.9
22.5°	985.4	984.4	985.4	985.4	986.4	987.3	989.2	990.1	991.1	991.1	991.1
25°	976.8	976.8	977.8	977.8	978.6	979.6	980.6	981.5	981.5	982.5	981.5
27.5°	967.2	967.2	968.1	968.1	970.0	970.0	971.0	972.0	972.9	972.9	972.9
30°	955.7	955.7	956.7	957.5	959.5	960.4	961.4	962.4	963.3	963.3	963.3
32.5°	945.2	944.2	945.2	947.1	949.9	951.8	953.8	954.7	954.7	954.7	955.7
35°	936.4	937.4	939.3	941.3	945.2	947.1	948.9	951.8	952.8	952.8	952.8
37.5°	938.4	939.3	942.3	946.1	950.9	956.7	960.4	964.3	967.2	966.2	965.3
40°	950.9	952.8	957.5	963.3	971.0	978.6	984.4	989.2	992.1	993.0	992.1
42.5°	952.8	954.7	958.5	967.2	975.8	984.4	992.1	996.9	1000.7	1001.7	1000.7
45°	951.8	951.8	957.5	967.2	975.8	984.4	994.0	1000.7	1004.6	1004.6	1004.6
47.5°	945.2	948.0	951.8	961.4	972.9	981.5	991.1	997.9	1002.6	1005.5	1002.6
50°	945.2	945.2	951.8	958.5	969.0	984.4	997.9	1004.6	1009.3	1008.4	1009.3
52.5°	943.2	948.9	952.8	962.4	981.5	996.9	1007.5	1017.0	1023.7	1024.7	1022.7
55°	960.4	961.4	970.0	988.3	1006.5	1023.7	1042.9	1057.3	1068.8	1075.5	1065.9
57.5°	973.9	969.0	986.4	1001.7	1022.7	1048.7	1077.4	1088.9	1097.5	1095.6	1098.5
60°	955.7	962.4	974.9	991.1	1024.7	1050.6	1065.9	1078.4	1088.9	1091.8	1088.0
61°	947.1	958.5	964.3	986.4	1021.8	1040.9	1057.3	1074.5	1093.7	1100.4	1091.8
62.5°	932.7	950.9	948.9	984.4	1006.5	1028.6	1059.2	1079.3	1092.7	1094.6	1092.7
65°	933.6	930.7	952.8	978.6	1000.7	1040.1	1065.9	1078.4	1086.0	1089.9	1088.0
67.5°	903.0	893.4	920.2	938.4	975.8	1006.5	1031.4	1049.6	1061.2	1064.9	1060.2
70°	832.1	838.7	857.9	885.7	916.3	953.8	976.8	1000.7	1010.3	1011.2	1011.2
72.5°	763.9	767.8	787.0	812.8	848.3	880.9	903.9	923.1	931.7	932.7	934.6
75°	673.9	677.6	699.7	723.7	759.2	787.0	803.2	826.2	838.7	849.3	840.7
77.5°	569.4	576.0	593.4	619.2	651.8	667.2	695.9	722.7	731.3	734.2	731.3
80°	451.4	460.1	475.4	510.0	524.3	549.3	577.0	588.5	596.2	598.1	599.1
82.5°	325.0	331.7	347.9	371.9	388.3	408.4	427.5	441.9	450.6	448.6	447.7
85°	191.8	193.6	210.9	227.2	239.7	252.1	267.4	278.0	279.9	283.8	282.8
87.5°	57.5	58.4	66.2	74.8	80.5	86.3	95.9	108.4	111.2	103.5	104.5
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°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	997.9	997.9	997.9	997.9	997.9	997.9	996.9	997.9
5°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
7.5°	996.9	995.9	995.9	995.9	995.9	995.9	995.9	995.9
10°	995.0	995.0	995.0	995.0	994.0	994.0	994.0	994.0
12.5°	993.0	993.0	993.0	993.0	992.1	992.1	992.1	992.1
15°	991.1	991.1	991.1	991.1	990.1	990.1	990.1	990.1
17.5°	992.1	991.1	990.1	990.1	989.2	988.3	988.3	988.3
20°	997.9	996.9	995.0	993.0	992.1	991.1	991.1	991.1
22.5°	990.1	989.2	987.3	986.4	986.4	985.4	984.4	984.4
25°	981.5	979.6	979.6	978.6	978.6	976.8	976.8	975.8
27.5°	972.0	971.0	970.0	969.0	969.0	968.1	967.2	966.2
30°	963.3	961.4	959.5	958.5	957.5	956.7	956.7	956.7
32.5°	954.7	952.8	951.8	948.9	947.1	946.1	945.2	945.2
35°	951.8	948.9	947.1	944.2	941.3	939.3	938.4	936.4
37.5°	963.3	959.5	956.7	951.8	945.2	942.3	939.3	938.4
40°	988.3	984.4	978.6	971.0	963.3	957.5	952.8	950.9
42.5°	996.9	992.1	984.4	976.8	967.2	958.5	954.7	952.8
45°	999.7	995.0	984.4	974.9	966.2	958.5	952.8	950.9
47.5°	996.9	990.1	980.6	972.9	960.4	950.9	947.1	944.2
50°	1003.6	997.9	985.4	968.1	957.5	951.8	945.2	944.2
52.5°	1017.0	1006.5	995.0	982.5	962.4	950.9	947.1	942.3
55°	1057.3	1042.9	1022.7	1002.6	990.1	972.0	960.4	960.4
57.5°	1088.0	1076.4	1050.6	1023.7	1000.7	987.3	970.0	971.0
60°	1079.3	1064.0	1051.5	1024.7	992.1	973.9	967.2	954.7
61°	1078.4	1057.3	1040.1	1019.0	991.1	962.4	960.4	944.2
62.5°	1080.3	1061.2	1028.6	1006.5	985.4	948.0	947.1	931.7
65°	1078.4	1060.2	1043.8	1002.6	973.9	958.5	926.0	938.4
67.5°	1048.7	1032.3	1002.6	979.6	935.6	916.3	898.1	898.1
70°	1001.7	977.8	948.9	920.2	890.5	857.9	841.6	832.1
72.5°	923.1	903.0	879.9	849.3	812.8	783.1	767.8	761.0
75°	824.3	802.4	782.1	759.2	720.8	695.9	679.6	674.8
77.5°	720.8	701.6	666.2	644.2	618.2	589.5	575.1	569.4
80°	588.5	578.0	553.1	517.6	505.1	469.7	460.1	451.4
82.5°	441.9	430.3	407.4	382.5	367.2	346.9	329.7	327.8
85°	278.0	270.3	255.9	237.7	218.6	207.0	191.8	195.5
87.5°	103.5	98.7	90.1	78.6	69.9	62.3	54.7	57.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)