

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: P197662

Luminaire Tested: **TT-C3-LED-E1-MQ-CG-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115378)
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-LWR-LW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4960.9 lumens
Efficiency: N/A
Efficacy: 110.2 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

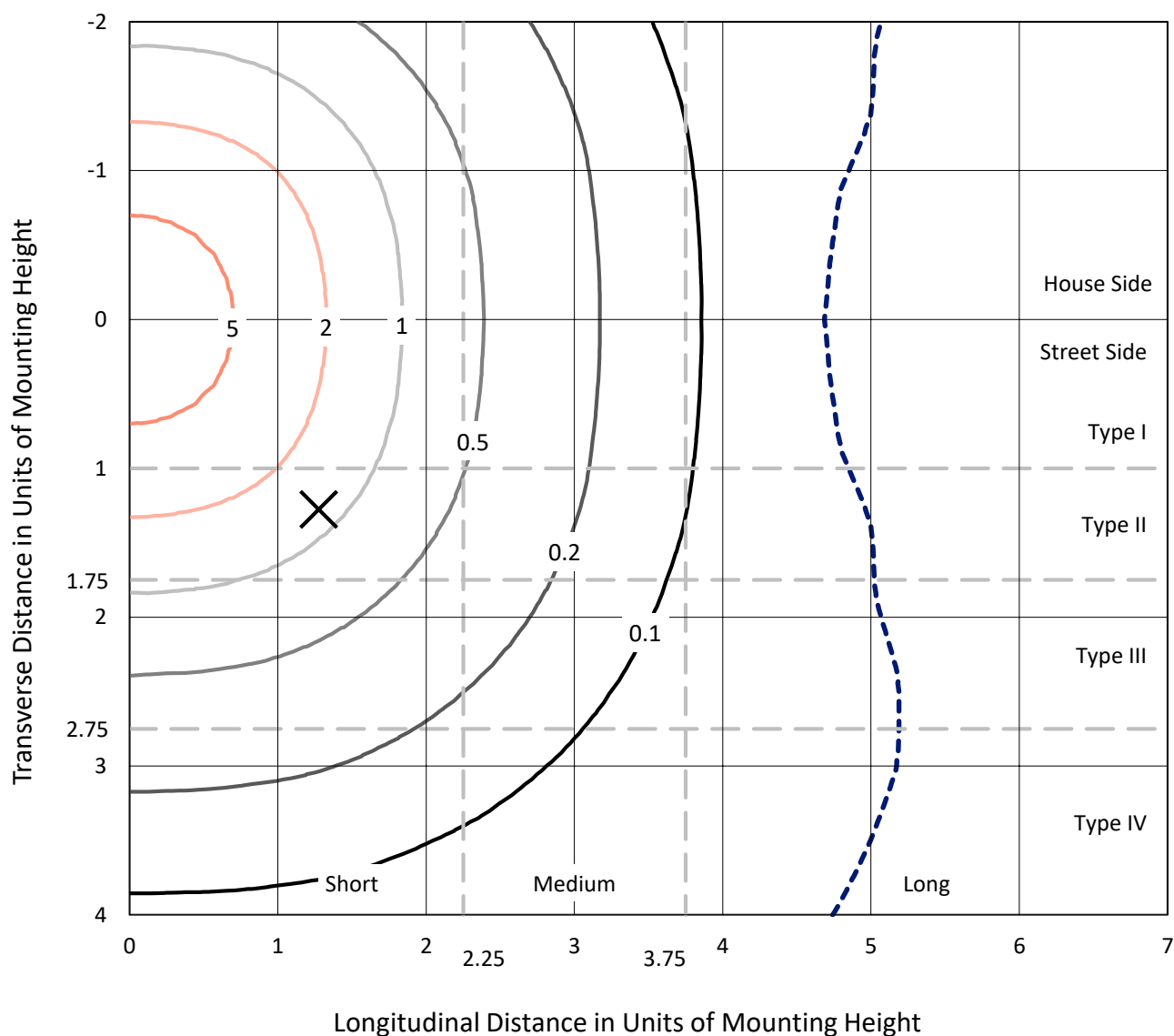


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

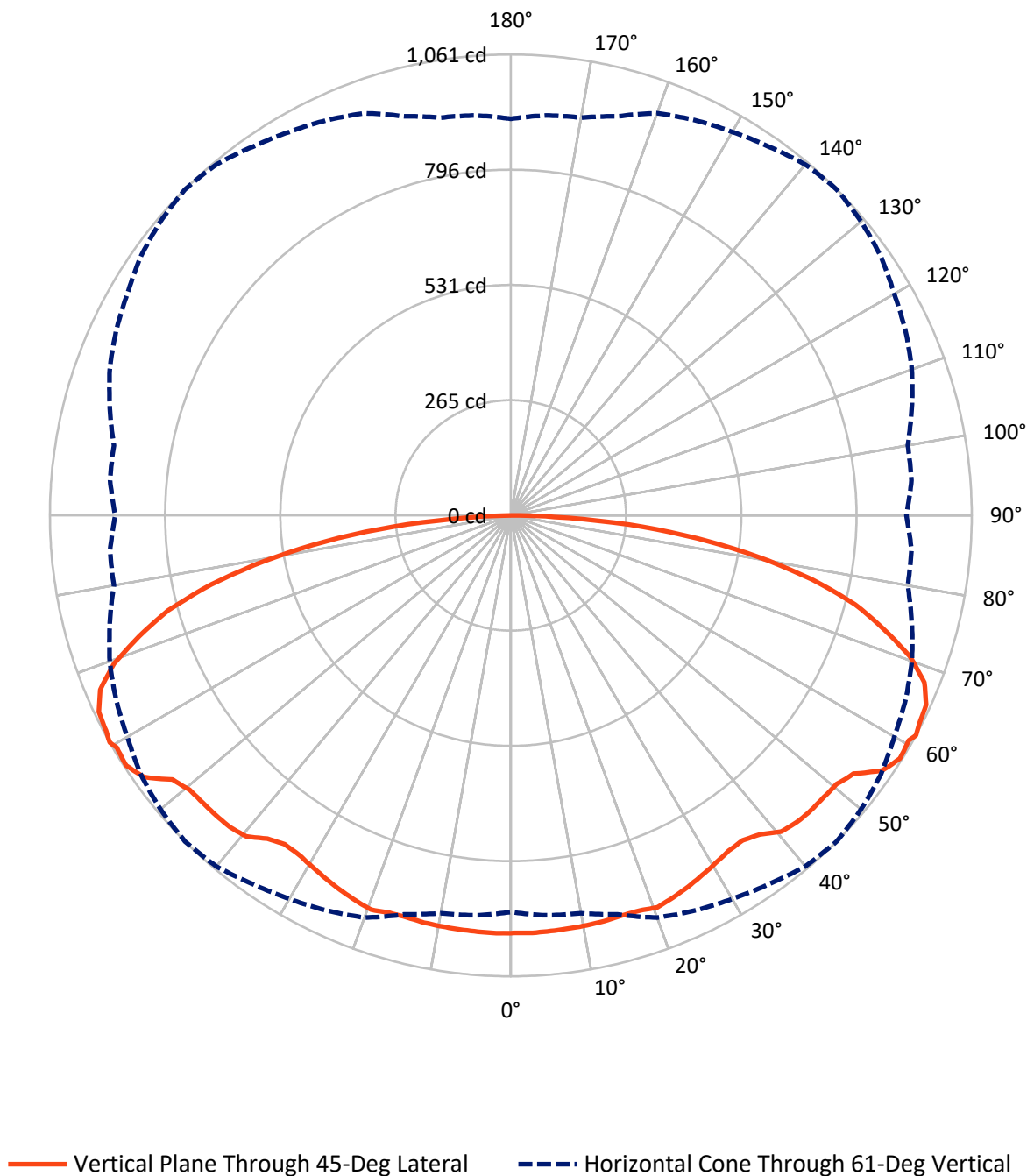


Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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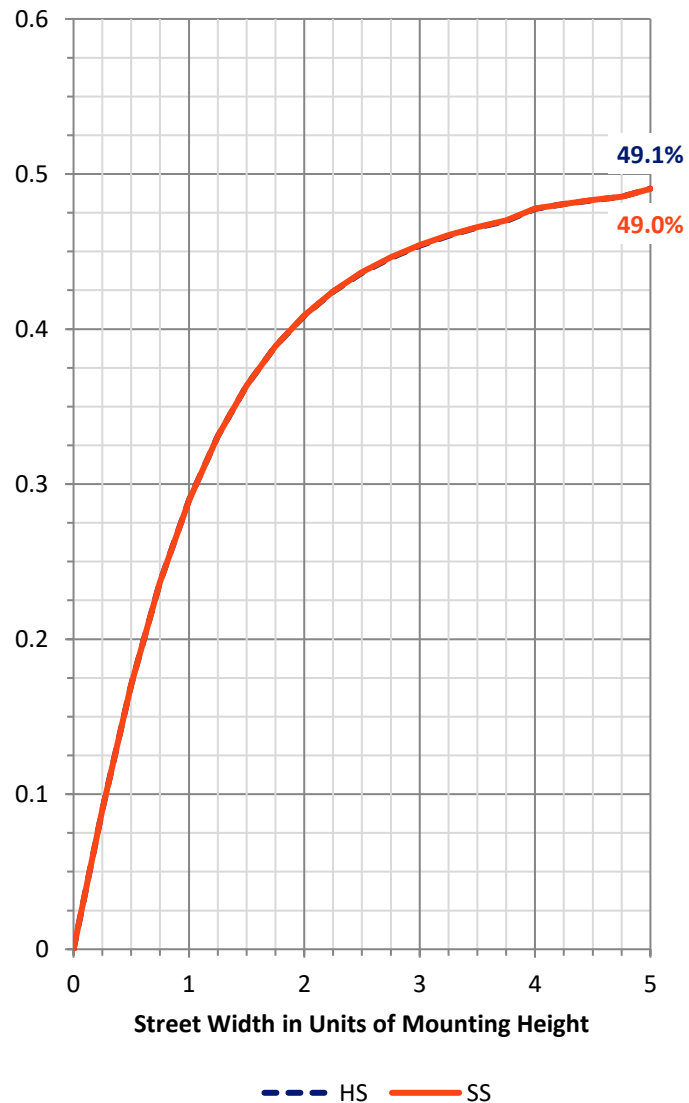
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2480.4	0.0	2480.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2480.4	0.0	2480.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4960.9	0.0	4960.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.8
10°-20°	271.1	5.5
20°-30°	436.2	8.8
30°-40°	577.8	11.6
40°-50°	729.7	14.7
50°-60°	874.3	17.6
60°-70°	956.0	19.3
70°-80°	765.3	15.4
80°-90°	258.9	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°	4960.9	100.0
0°-180°	4960.9	100.0

Coefficient of Utilization



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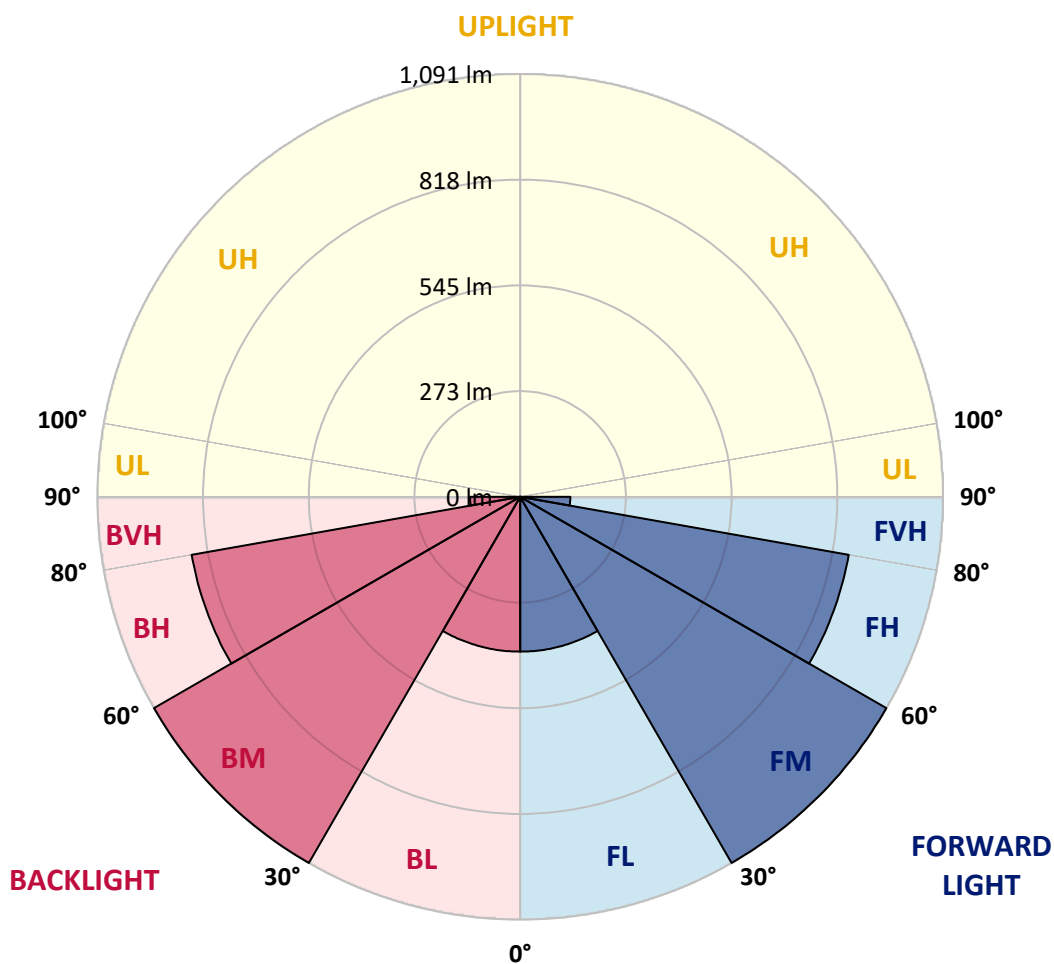
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	399.5	8.1			
FM	(30°-60°)	1090.9	22.0			
FH	(60°-80°)	860.6	17.3			G1/1800
FVH	(80°-90°)	129.5	2.6			G2/225
BL	(0°-30°)	399.5	8.1	B1/500		
BM	(30°-60°)	1090.9	22.0	B2/2500		
BH	(60°-80°)	860.6	17.3	B2/1000		G1/1800
BVH	(80°-90°)	129.5	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°	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2
2.5°	962.0	961.2	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0
5°	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2
7.5°	960.3	960.3	960.3	960.3	960.3	960.3	960.3	960.3	961.2	960.3	961.2
10°	958.4	958.4	958.4	958.4	959.3	959.3	959.3	959.3	959.3	959.3	959.3
12.5°	956.5	956.5	956.5	956.5	957.5	957.5	957.5	957.5	958.4	958.4	957.5
15°	954.7	953.7	953.7	954.7	954.7	955.6	955.6	955.6	956.5	955.6	955.6
17.5°	952.8	951.9	952.8	953.7	953.7	954.7	955.6	955.6	956.5	956.5	956.5
20°	955.6	954.7	955.6	956.5	957.5	959.3	960.3	961.2	962.0	962.9	962.9
22.5°	950.0	949.1	950.0	950.0	950.9	951.9	953.7	954.7	955.6	955.6	955.6
25°	941.7	941.7	942.7	942.7	943.6	944.5	945.5	946.4	946.4	947.3	946.4
27.5°	932.5	932.5	933.4	933.4	935.3	935.3	936.2	937.1	938.0	938.0	938.0
30°	921.4	921.4	922.4	923.3	925.1	926.0	926.9	927.8	928.8	928.8	928.8
32.5°	911.3	910.4	911.3	913.0	915.8	917.7	919.6	920.5	920.5	920.5	921.4
35°	902.9	903.8	905.7	907.6	911.3	913.0	914.9	917.7	918.6	918.6	918.6
37.5°	904.8	905.7	908.5	912.1	916.8	922.4	926.0	929.7	932.5	931.6	930.6
40°	916.8	918.6	923.3	928.8	936.2	943.6	949.1	953.7	956.5	957.5	956.5
42.5°	918.6	920.5	924.1	932.5	940.8	949.1	956.5	961.2	964.8	965.7	964.8
45°	917.7	917.7	923.3	932.5	940.8	949.1	958.4	964.8	968.5	968.5	968.5
47.5°	911.3	914.0	917.7	926.9	938.0	946.4	955.6	962.0	966.7	969.5	966.7
50°	911.3	911.3	917.7	924.1	934.4	949.1	962.0	968.5	973.2	972.3	973.2
52.5°	909.4	914.9	918.6	927.8	946.4	961.2	971.3	980.6	987.0	987.9	986.1
55°	926.0	926.9	935.3	952.8	970.4	987.0	1005.5	1019.4	1030.5	1037.0	1027.7
57.5°	938.9	934.4	950.9	965.7	986.1	1011.1	1038.7	1049.8	1058.2	1056.3	1059.1
60°	921.4	927.8	939.9	955.6	987.9	1012.8	1027.7	1039.7	1049.8	1052.6	1049.0
61°	913.0	924.1	929.7	950.9	985.2	1003.6	1019.4	1036.0	1054.5	1061.0	1052.6
62.5°	899.2	916.8	914.9	949.1	970.4	991.6	1021.2	1040.6	1053.5	1055.4	1053.5
65°	900.1	897.4	918.6	943.6	964.8	1002.7	1027.7	1039.7	1047.1	1050.7	1049.0
67.5°	870.6	861.3	887.2	904.8	940.8	970.4	994.4	1011.9	1023.1	1026.7	1022.2
70°	802.2	808.7	827.1	853.9	883.5	919.6	941.7	964.8	974.1	975.0	975.0
72.5°	736.5	740.3	758.8	783.7	817.9	849.3	871.5	890.0	898.4	899.2	901.0
75°	649.7	653.4	674.6	697.7	732.0	758.8	774.4	796.7	808.7	818.8	810.6
77.5°	548.9	555.5	572.0	597.1	628.4	643.2	671.0	696.9	705.2	708.0	705.2
80°	435.2	443.6	458.4	491.7	505.5	529.6	556.4	567.5	574.8	576.7	577.6
82.5°	313.3	319.8	335.4	358.5	374.3	393.7	412.2	426.0	434.3	432.6	431.6
85°	184.8	186.7	203.3	219.1	231.1	243.1	257.8	268.0	269.9	273.5	272.6
87.5°	55.5	56.4	63.8	72.1	77.7	83.1	92.5	104.5	107.1	99.8	100.7
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°	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2
2.5°	962.0	962.0	962.0	962.0	962.0	962.0	961.2	962.0
5°	961.2	961.2	961.2	961.2	961.2	961.2	961.2	961.2
7.5°	961.2	960.3	960.3	960.3	960.3	960.3	960.3	960.3
10°	959.3	959.3	959.3	959.3	958.4	958.4	958.4	958.4
12.5°	957.5	957.5	957.5	957.5	956.5	956.5	956.5	956.5
15°	955.6	955.6	955.6	955.6	954.7	954.7	954.7	954.7
17.5°	956.5	955.6	954.7	954.7	953.7	952.8	952.8	952.8
20°	962.0	961.2	959.3	957.5	956.5	955.6	955.6	955.6
22.5°	954.7	953.7	951.9	950.9	950.9	950.0	949.1	949.1
25°	946.4	944.5	944.5	943.6	943.6	941.7	941.7	940.8
27.5°	937.1	936.2	935.3	934.4	934.4	933.4	932.5	931.6
30°	928.8	926.9	925.1	924.1	923.3	922.4	922.4	922.4
32.5°	920.5	918.6	917.7	914.9	913.0	912.1	911.3	911.3
35°	917.7	914.9	913.0	910.4	907.6	905.7	904.8	902.9
37.5°	928.8	925.1	922.4	917.7	911.3	908.5	905.7	904.8
40°	952.8	949.1	943.6	936.2	928.8	923.3	918.6	916.8
42.5°	961.2	956.5	949.1	941.7	932.5	924.1	920.5	918.6
45°	963.9	959.3	949.1	939.9	931.6	924.1	918.6	916.8
47.5°	961.2	954.7	945.5	938.0	926.0	916.8	913.0	910.4
50°	967.6	962.0	950.0	933.4	923.3	917.7	911.3	910.4
52.5°	980.6	970.4	959.3	947.3	927.8	916.8	913.0	908.5
55°	1019.4	1005.5	986.1	966.7	954.7	937.1	926.0	926.0
57.5°	1049.0	1037.8	1012.8	987.0	964.8	951.9	935.3	936.2
60°	1040.6	1025.8	1013.8	987.9	956.5	938.9	932.5	920.5
61°	1039.7	1019.4	1002.7	982.4	955.6	927.8	926.0	910.4
62.5°	1041.5	1023.1	991.6	970.4	950.0	914.0	913.0	898.4
65°	1039.7	1022.2	1006.4	966.7	938.9	924.1	892.8	904.8
67.5°	1011.1	995.4	966.7	944.5	902.0	883.5	865.9	865.9
70°	965.7	942.7	914.9	887.2	858.6	827.1	811.4	802.2
72.5°	890.0	870.6	848.4	818.8	783.7	755.1	740.3	733.8
75°	794.8	773.5	754.1	732.0	695.0	671.0	655.3	650.6
77.5°	695.0	676.5	642.3	621.1	596.1	568.4	554.5	548.9
80°	567.5	557.3	533.3	499.0	487.0	452.8	443.6	435.2
82.5°	426.0	415.0	392.8	368.8	354.0	334.5	318.0	316.1
85°	268.0	260.6	246.7	229.2	210.7	199.6	184.8	188.5
87.5°	99.8	95.1	86.9	75.8	67.5	60.0	52.7	55.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)