

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: P197688

Luminaire Tested: **TT-C3-LED-E1-MQ-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197688
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5028.7 lumens
Efficiency: N/A
Efficacy: 111.7 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

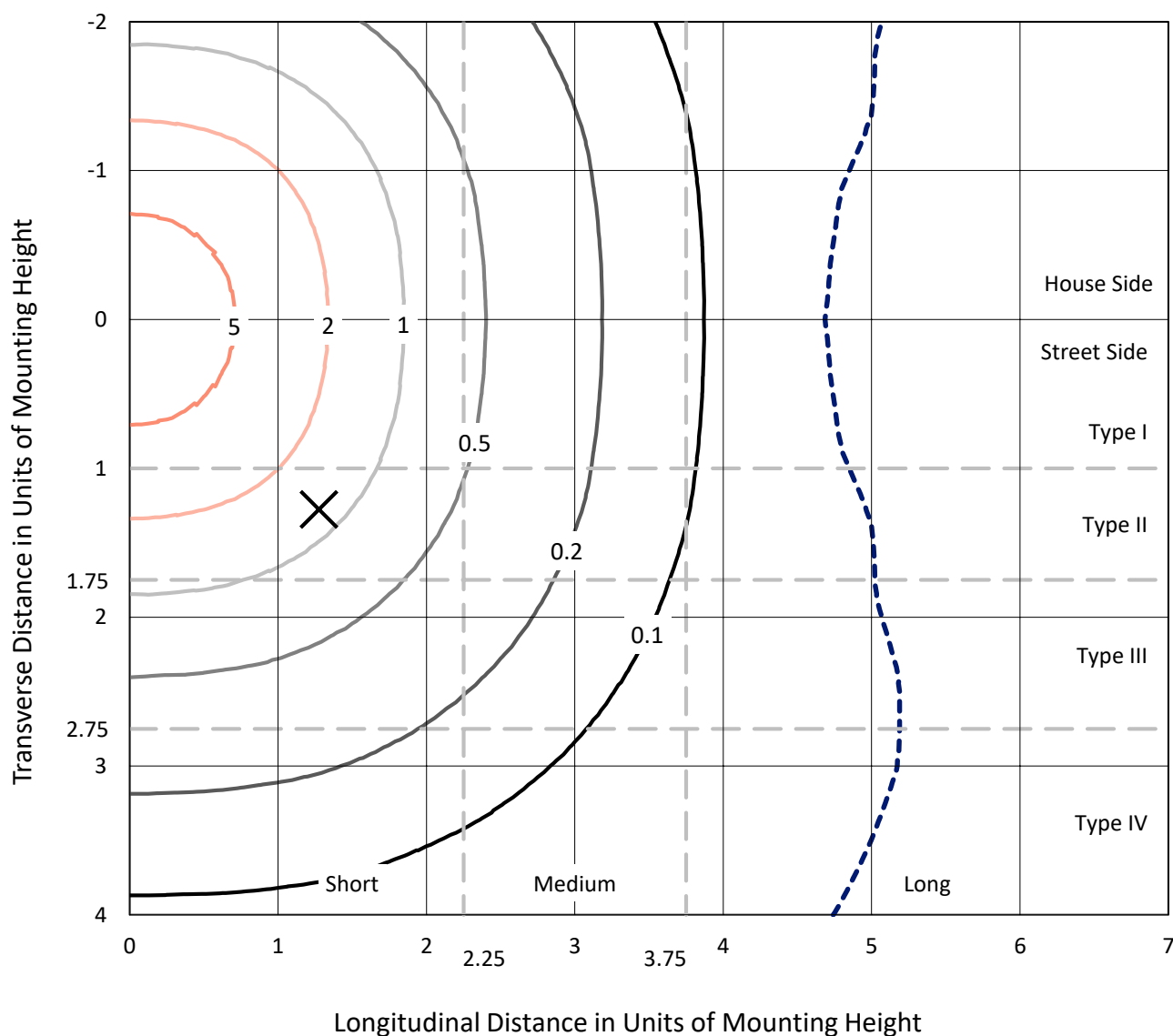


REPORT NUMBER: P197688

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

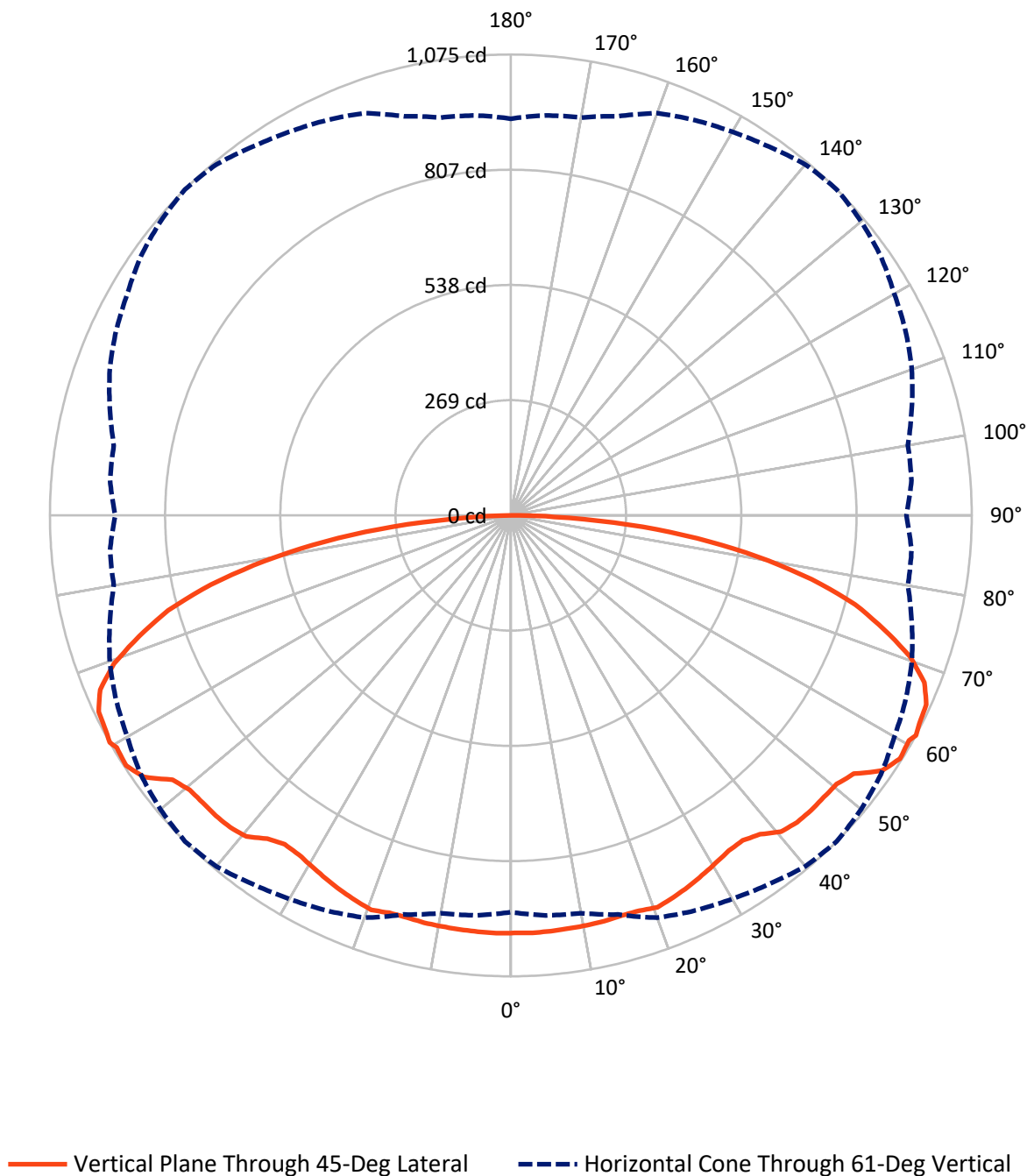


Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P197688

CATALOG NUMBER: TT-C3-LED-E1-MQ-CG-MS/DIM-7060

Luminous Intensity Polar Plot



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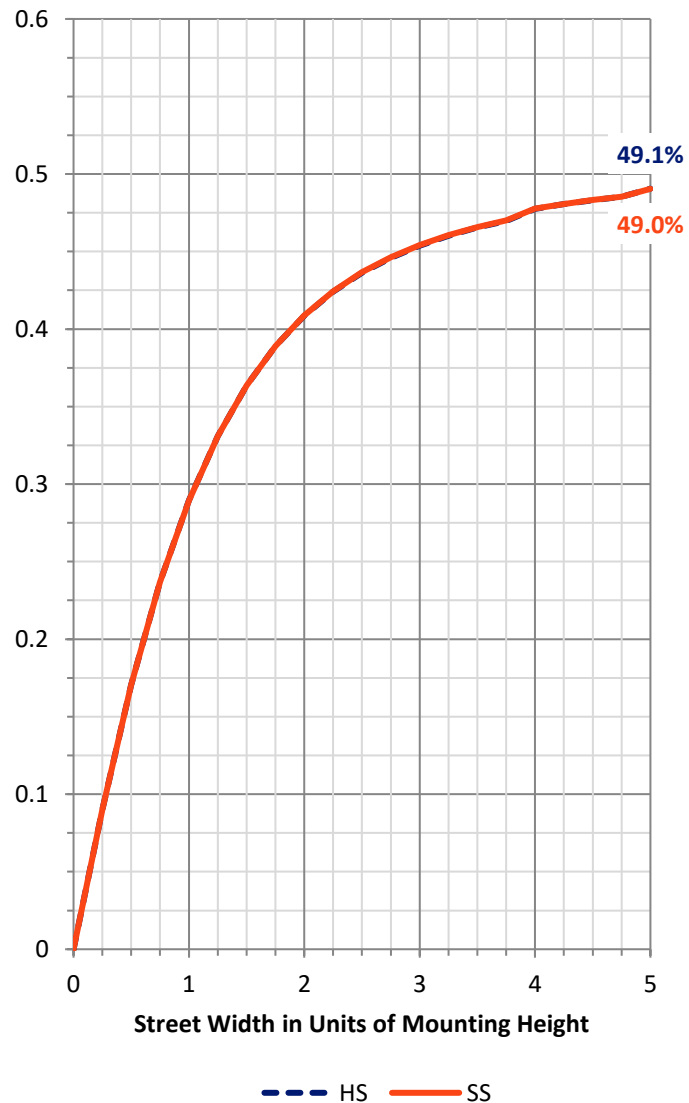
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2514.3	0.0	2514.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2514.3	0.0	2514.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5028.7	0.0	5028.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	1.8
10°-20°	274.8	5.5
20°-30°	442.1	8.8
30°-40°	585.7	11.6
40°-50°	739.6	14.7
50°-60°	886.2	17.6
60°-70°	969.0	19.3
70°-80°	775.7	15.4
80°-90°	262.5	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°	5028.7	100.0
0°-180°	5028.7	100.0

Coefficient of Utilization



REPORT NUMBER: P197688

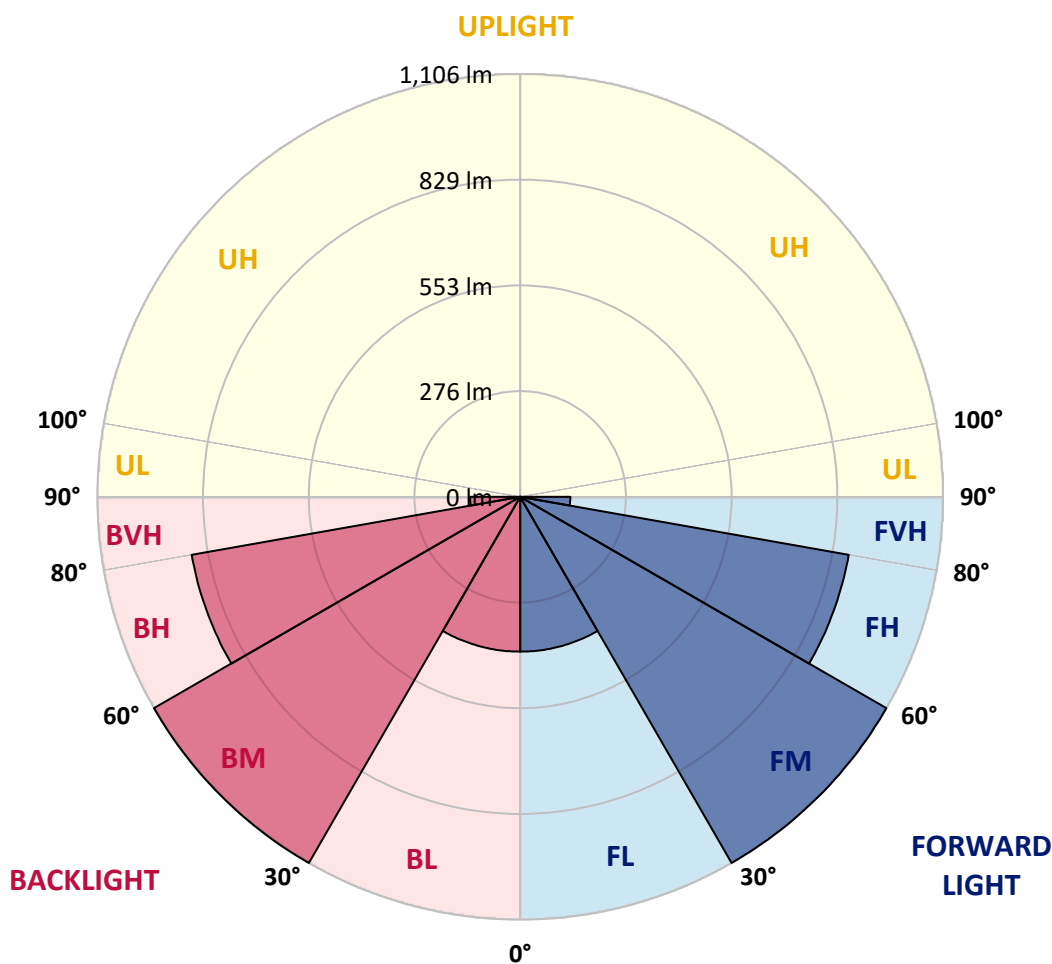
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.9	8.1			
FM	(30°-60°)	1105.8	22.0			
FH	(60°-80°)	872.4	17.3			G1/1800
FVH	(80°-90°)	131.2	2.6			G2/225
BL	(0°-30°)	404.9	8.1	B1/500		
BM	(30°-60°)	1105.8	22.0	B2/2500		
BH	(60°-80°)	872.4	17.3	B2/1000		G1/1800
BVH	(80°-90°)	131.2	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



REPORT NUMBER: P197688

CATALOG NUMBER: TT-C3-LED-E1-MQ-CG-MS/DIM-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3
2.5°	975.2	974.3	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
5°	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3
7.5°	973.3	973.3	973.3	973.3	973.3	973.3	973.3	973.3	974.3	973.3	974.3
10°	971.5	971.5	971.5	971.5	972.4	972.4	972.4	972.4	972.4	972.4	972.4
12.5°	969.6	969.6	969.6	969.6	970.5	970.5	970.5	970.5	971.5	971.5	970.5
15°	967.7	966.8	966.8	967.7	967.7	968.6	968.6	968.6	969.6	968.6	968.6
17.5°	965.8	964.9	965.8	966.8	966.8	967.7	968.6	968.6	969.6	969.6	969.6
20°	968.6	967.7	968.6	969.6	970.5	972.4	973.3	974.3	975.2	976.2	976.2
22.5°	963.0	962.1	963.0	963.0	964.0	964.9	966.8	967.7	968.6	968.6	968.6
25°	954.6	954.6	955.6	955.6	956.4	957.4	958.4	959.3	959.3	960.2	959.3
27.5°	945.2	945.2	946.2	946.2	948.0	948.0	949.0	950.0	950.8	950.8	950.8
30°	934.0	934.0	935.0	935.8	937.8	938.6	939.6	940.6	941.4	941.4	941.4
32.5°	923.7	922.8	923.7	925.6	928.4	930.2	932.2	933.0	933.0	933.0	934.0
35°	915.2	916.2	918.0	920.0	923.7	925.6	927.4	930.2	931.2	931.2	931.2
37.5°	917.2	918.0	920.9	924.6	929.4	935.0	938.6	942.4	945.2	944.2	943.4
40°	929.4	931.2	935.8	941.4	949.0	956.4	962.1	966.8	969.6	970.5	969.6
42.5°	931.2	933.0	936.8	945.2	953.6	962.1	969.6	974.3	978.0	979.0	978.0
45°	930.2	930.2	935.8	945.2	953.6	962.1	971.5	978.0	981.8	981.8	981.8
47.5°	923.7	926.5	930.2	939.6	950.8	959.3	968.6	975.2	979.9	982.7	979.9
50°	923.7	923.7	930.2	936.8	947.1	962.1	975.2	981.8	986.5	985.5	986.5
52.5°	921.8	927.4	931.2	940.6	959.3	974.3	984.6	993.9	1000.5	1001.5	999.5
55°	938.6	939.6	948.0	965.8	983.7	1000.5	1019.3	1033.3	1044.5	1051.1	1041.7
57.5°	951.8	947.1	964.0	979.0	999.5	1024.9	1053.0	1064.2	1072.6	1070.8	1073.6
60°	934.0	940.6	952.8	968.6	1001.5	1026.7	1041.7	1053.9	1064.2	1067.0	1063.3
61°	925.6	936.8	942.4	964.0	998.7	1017.3	1033.3	1050.1	1068.9	1075.4	1067.0
62.5°	911.5	929.4	927.4	962.1	983.7	1005.2	1035.1	1054.8	1068.0	1069.8	1068.0
65°	912.4	909.6	931.2	956.4	978.0	1016.5	1041.7	1053.9	1061.4	1065.2	1063.3
67.5°	882.5	873.1	899.3	917.2	953.6	983.7	1008.0	1025.8	1037.1	1040.8	1036.1
70°	813.2	819.7	838.5	865.7	895.6	932.2	954.6	978.0	987.4	988.3	988.3
72.5°	746.6	750.4	769.2	794.4	829.1	860.9	883.4	902.1	910.6	911.5	913.4
75°	658.6	662.3	683.9	707.3	741.9	769.2	785.0	807.5	819.7	830.0	821.6
77.5°	556.5	563.0	579.9	605.2	637.0	652.0	680.1	706.3	714.7	717.6	714.7
80°	441.2	449.6	464.6	498.4	512.4	536.8	563.9	575.2	582.7	584.6	585.5
82.5°	317.6	324.2	340.0	363.5	379.4	399.1	417.8	431.9	440.3	438.4	437.5
85°	187.4	189.2	206.1	222.1	234.3	246.3	261.3	271.7	273.5	277.3	276.4
87.5°	56.2	57.1	64.7	73.1	78.7	84.3	93.7	105.9	108.7	101.2	102.1
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: P197688

CATALOG NUMBER: TT-C3-LED-E1-MQ-CG-MS/DIM-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3
2.5°	975.2	975.2	975.2	975.2	975.2	975.2	974.3	975.2
5°	974.3	974.3	974.3	974.3	974.3	974.3	974.3	974.3
7.5°	974.3	973.3	973.3	973.3	973.3	973.3	973.3	973.3
10°	972.4	972.4	972.4	972.4	971.5	971.5	971.5	971.5
12.5°	970.5	970.5	970.5	970.5	969.6	969.6	969.6	969.6
15°	968.6	968.6	968.6	968.6	967.7	967.7	967.7	967.7
17.5°	969.6	968.6	967.7	967.7	966.8	965.8	965.8	965.8
20°	975.2	974.3	972.4	970.5	969.6	968.6	968.6	968.6
22.5°	967.7	966.8	964.9	964.0	964.0	963.0	962.1	962.1
25°	959.3	957.4	957.4	956.4	956.4	954.6	954.6	953.6
27.5°	950.0	949.0	948.0	947.1	947.1	946.2	945.2	944.2
30°	941.4	939.6	937.8	936.8	935.8	935.0	935.0	935.0
32.5°	933.0	931.2	930.2	927.4	925.6	924.6	923.7	923.7
35°	930.2	927.4	925.6	922.8	920.0	918.0	917.2	915.2
37.5°	941.4	937.8	935.0	930.2	923.7	920.9	918.0	917.2
40°	965.8	962.1	956.4	949.0	941.4	935.8	931.2	929.4
42.5°	974.3	969.6	962.1	954.6	945.2	936.8	933.0	931.2
45°	977.1	972.4	962.1	952.8	944.2	936.8	931.2	929.4
47.5°	974.3	967.7	958.4	950.8	938.6	929.4	925.6	922.8
50°	980.8	975.2	963.0	946.2	935.8	930.2	923.7	922.8
52.5°	993.9	983.7	972.4	960.2	940.6	929.4	925.6	920.9
55°	1033.3	1019.3	999.5	979.9	967.7	950.0	938.6	938.6
57.5°	1063.3	1052.0	1026.7	1000.5	978.0	964.9	948.0	949.0
60°	1054.8	1039.9	1027.7	1001.5	969.6	951.8	945.2	933.0
61°	1053.9	1033.3	1016.5	995.8	968.6	940.6	938.6	922.8
62.5°	1055.8	1037.1	1005.2	983.7	963.0	926.5	925.6	910.6
65°	1053.9	1036.1	1020.1	979.9	951.8	936.8	905.0	917.2
67.5°	1024.9	1008.9	979.9	957.4	914.3	895.6	877.8	877.8
70°	979.0	955.6	927.4	899.3	870.3	838.5	822.5	813.2
72.5°	902.1	882.5	859.9	830.0	794.4	765.4	750.4	743.8
75°	805.6	784.2	764.4	741.9	704.5	680.1	664.2	659.5
77.5°	704.5	685.7	651.1	629.6	604.2	576.1	562.1	556.5
80°	575.2	564.9	540.5	505.9	493.7	459.0	449.6	441.2
82.5°	431.9	420.6	398.1	373.8	358.8	339.1	322.2	320.4
85°	271.7	264.2	250.1	232.3	213.6	202.3	187.4	191.1
87.5°	101.2	96.5	88.1	76.9	68.3	60.9	53.4	56.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)