

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: P197709

Luminaire Tested: **TT-C3-LED-E1-MQ-CG-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115348)
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4754.7 lumens
Efficiency: N/A
Efficacy: 105.7 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



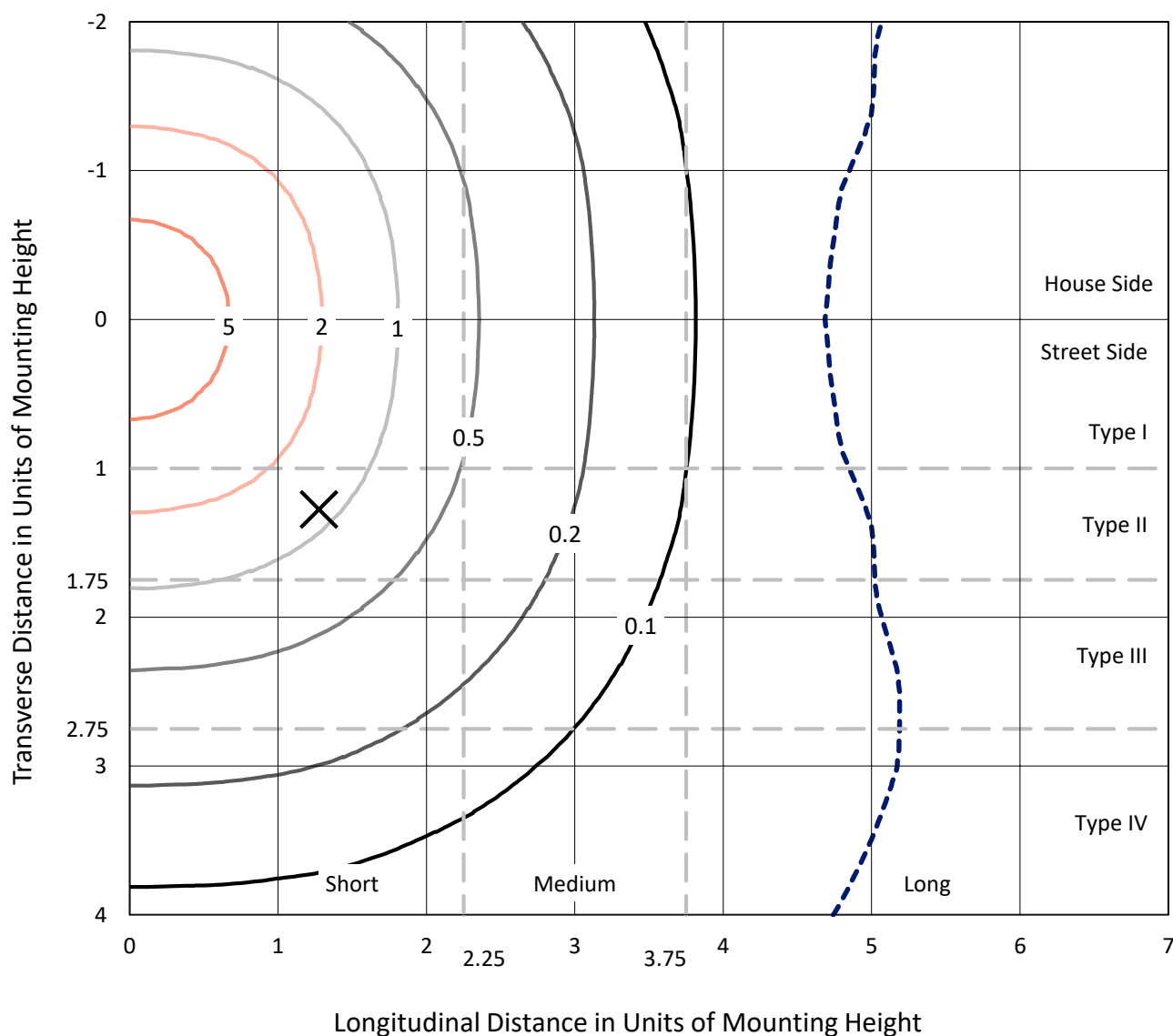
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

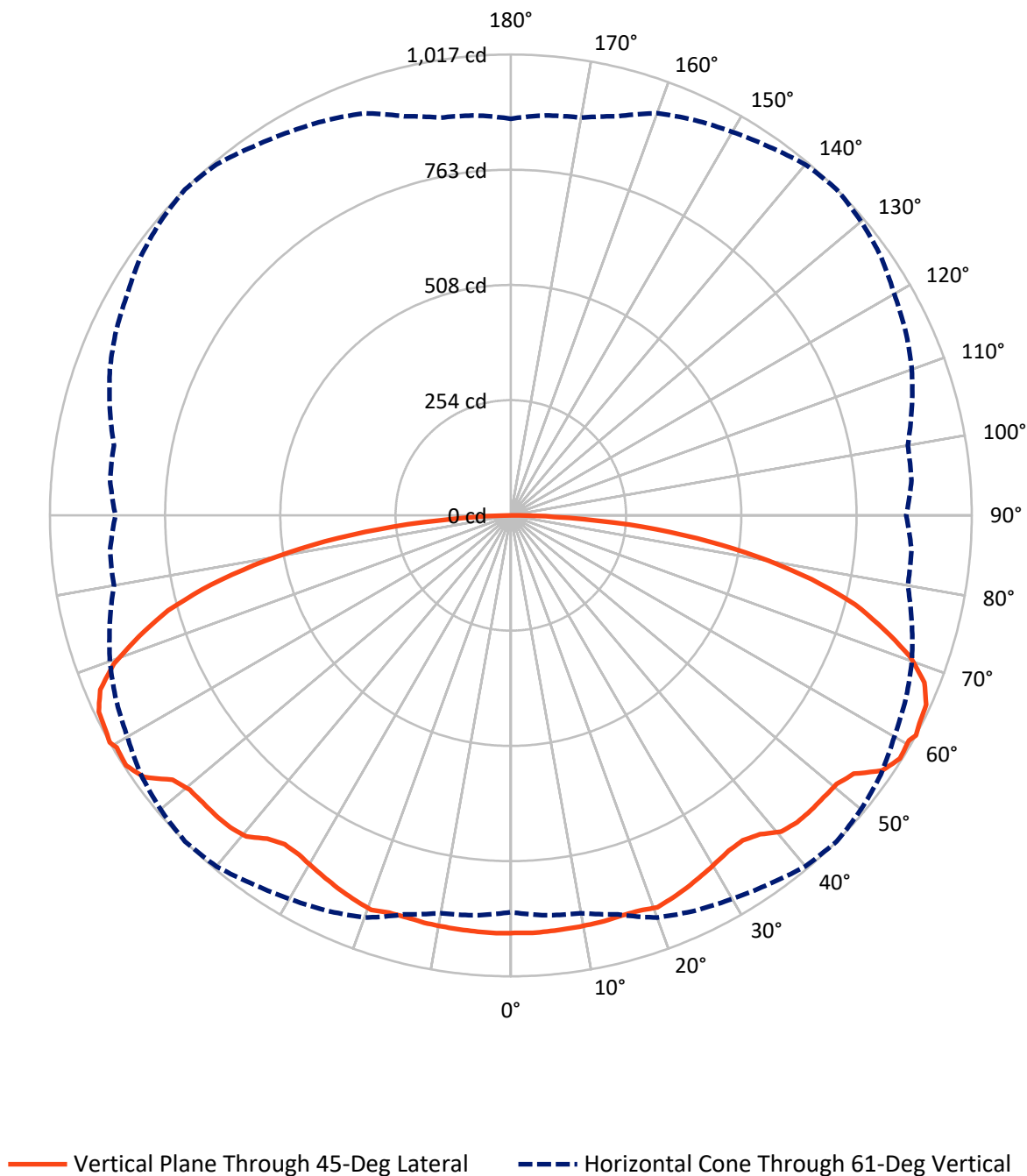


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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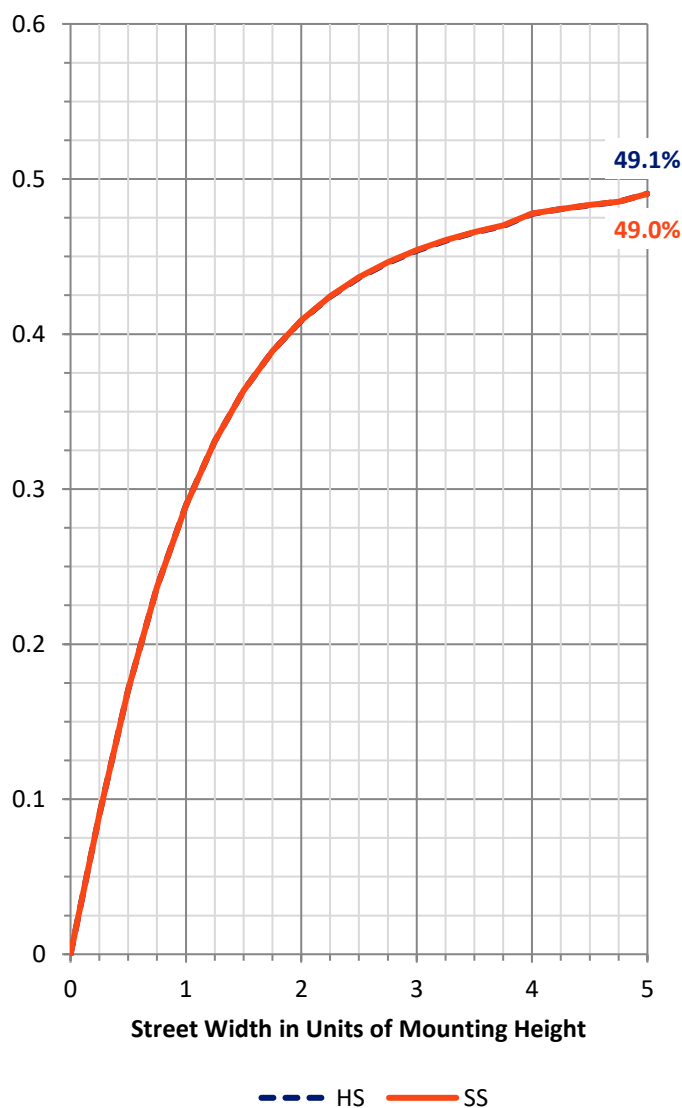
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2377.3	0.0	2377.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2377.3	0.0	2377.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4754.7	0.0	4754.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.8
10°-20°	259.8	5.5
20°-30°	418.0	8.8
30°-40°	553.8	11.6
40°-50°	699.3	14.7
50°-60°	838.0	17.6
60°-70°	916.2	19.3
70°-80°	733.5	15.4
80°-90°	248.1	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°	4754.7	100.0
0°-180°	4754.7	100.0

Coefficient of Utilization



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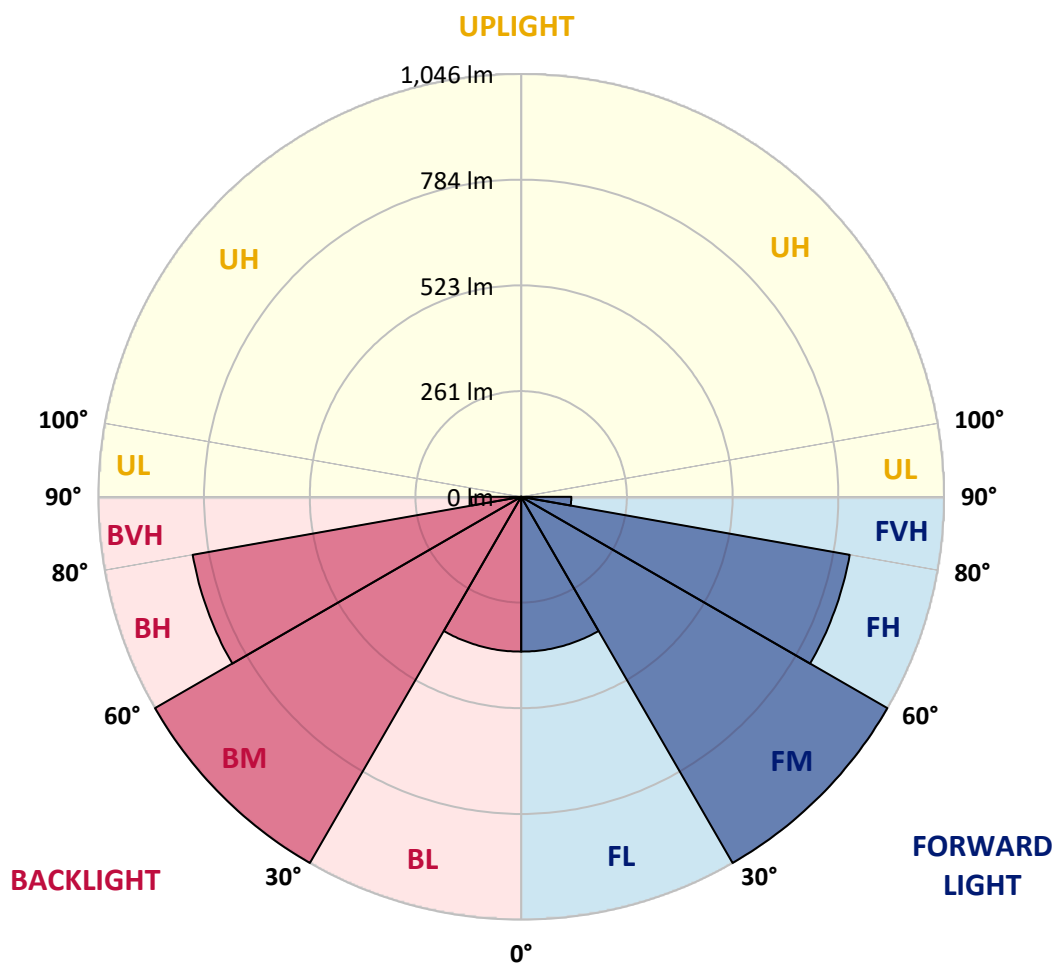
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.9	8.1			
FM	(30°-60°)	1045.6	22.0			
FH	(60°-80°)	824.9	17.3			G1/1800
FVH	(80°-90°)	124.1	2.6			G2/225
BL	(0°-30°)	382.9	8.1	B1/500		
BM	(30°-60°)	1045.6	22.0	B2/2500		
BH	(60°-80°)	824.9	17.3	B2/1000		G1/1800
BVH	(80°-90°)	124.1	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°	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2
2.5°	922.1	921.2	922.1	922.1	922.1	922.1	922.1	922.1	922.1	922.1	922.1
5°	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2
7.5°	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3	921.2	920.3	921.2
10°	918.6	918.6	918.6	918.6	919.4	919.4	919.4	919.4	919.4	919.4	919.4
12.5°	916.8	916.8	916.8	916.8	917.7	917.7	917.7	917.7	918.6	918.6	917.7
15°	915.0	914.1	914.1	915.0	915.0	915.9	915.9	915.9	916.8	915.9	915.9
17.5°	913.2	912.3	913.2	914.1	914.1	915.0	915.9	915.9	916.8	916.8	916.8
20°	915.9	915.0	915.9	916.8	917.7	919.4	920.3	921.2	922.1	923.0	923.0
22.5°	910.6	909.7	910.6	910.6	911.5	912.3	914.1	915.0	915.9	915.9	915.9
25°	902.6	902.6	903.5	903.5	904.4	905.2	906.1	907.0	907.0	907.0	907.0
27.5°	893.7	893.7	894.6	894.6	896.4	896.4	897.3	898.1	899.0	899.0	899.0
30°	883.1	883.1	883.9	884.8	886.6	887.5	888.4	889.3	890.2	890.2	890.2
32.5°	873.4	872.5	873.4	875.2	877.8	879.6	881.4	882.2	882.2	882.2	883.1
35°	865.4	866.3	868.1	869.8	873.4	875.2	876.9	879.6	880.5	880.5	880.5
37.5°	867.2	868.1	870.7	874.3	878.7	883.9	887.5	891.0	893.7	892.8	891.9
40°	878.7	880.5	884.8	890.2	897.3	904.4	909.7	914.1	916.8	917.7	916.8
42.5°	880.5	882.2	885.7	893.7	901.7	909.7	916.8	921.2	924.8	925.7	924.8
45°	879.6	879.6	884.8	893.7	901.7	909.7	918.6	924.8	928.3	928.3	928.3
47.5°	873.4	876.1	879.6	888.4	899.0	907.0	915.9	922.1	926.5	929.1	926.5
50°	873.4	873.4	879.6	885.7	895.5	909.7	922.1	928.3	932.7	931.8	932.7
52.5°	871.6	876.9	880.5	889.3	907.0	921.2	930.9	939.8	946.0	946.9	945.1
55°	887.5	888.4	896.4	913.2	930.0	946.0	963.7	976.9	987.6	993.8	984.9
57.5°	899.9	895.5	911.5	925.7	945.1	969.1	995.6	1006.2	1014.2	1012.4	1015.1
60°	883.1	889.3	900.8	915.9	946.9	970.8	984.9	996.5	1006.2	1008.9	1005.3
61°	875.2	885.7	891.0	911.5	944.2	962.0	976.9	992.9	1010.7	1016.9	1008.9
62.5°	861.9	878.7	876.9	909.7	930.0	950.4	978.7	997.4	1009.8	1011.6	1009.8
65°	862.7	860.1	880.5	904.4	924.8	961.1	984.9	996.5	1003.6	1007.1	1005.3
67.5°	834.3	825.6	850.3	867.2	901.7	930.0	953.1	969.9	980.5	984.0	979.6
70°	768.9	775.1	792.7	818.5	846.8	881.4	902.6	924.8	933.5	934.4	934.4
72.5°	705.9	709.5	727.2	751.1	783.9	814.0	835.2	853.0	861.0	861.9	863.6
75°	622.7	626.2	646.6	668.8	701.5	727.2	742.2	763.5	775.1	784.8	776.8
77.5°	526.1	532.4	548.2	572.2	602.3	616.5	643.1	667.9	675.9	678.5	675.9
80°	417.2	425.2	439.4	471.2	484.5	507.5	533.2	543.9	550.9	552.7	553.6
82.5°	300.3	306.5	321.5	343.7	358.7	377.3	395.1	408.3	416.3	414.5	413.6
85°	177.1	178.9	194.9	210.0	221.4	232.9	247.1	256.9	258.7	262.1	261.3
87.5°	53.2	54.0	61.1	69.1	74.4	79.7	88.6	100.1	102.8	95.7	96.6
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°	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2
2.5°	922.1	922.1	922.1	922.1	922.1	922.1	921.2	922.1
5°	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2
7.5°	921.2	920.3	920.3	920.3	920.3	920.3	920.3	920.3
10°	919.4	919.4	919.4	919.4	918.6	918.6	918.6	918.6
12.5°	917.7	917.7	917.7	917.7	916.8	916.8	916.8	916.8
15°	915.9	915.9	915.9	915.9	915.0	915.0	915.0	915.0
17.5°	916.8	915.9	915.0	915.0	914.1	913.2	913.2	913.2
20°	922.1	921.2	919.4	917.7	916.8	915.9	915.9	915.9
22.5°	915.0	914.1	912.3	911.5	911.5	910.6	909.7	909.7
25°	907.0	905.2	905.2	904.4	904.4	902.6	902.6	901.7
27.5°	898.1	897.3	896.4	895.5	895.5	894.6	893.7	892.8
30°	890.2	888.4	886.6	885.7	884.8	883.9	883.9	883.9
32.5°	882.2	880.5	879.6	876.9	875.2	874.3	873.4	873.4
35°	879.6	876.9	875.2	872.5	869.8	868.1	867.2	865.4
37.5°	890.2	886.6	883.9	879.6	873.4	870.7	868.1	867.2
40°	913.2	909.7	904.4	897.3	890.2	884.8	880.5	878.7
42.5°	921.2	916.8	909.7	902.6	893.7	885.7	882.2	880.5
45°	923.9	919.4	909.7	900.8	892.8	885.7	880.5	878.7
47.5°	921.2	915.0	906.1	899.0	887.5	878.7	875.2	872.5
50°	927.4	922.1	910.6	894.6	884.8	879.6	873.4	872.5
52.5°	939.8	930.0	919.4	907.9	889.3	878.7	875.2	870.7
55°	976.9	963.7	945.1	926.5	915.0	898.1	887.5	887.5
57.5°	1005.3	994.7	970.8	946.0	924.8	912.3	896.4	897.3
60°	997.4	983.2	971.7	946.9	916.8	899.9	893.7	882.2
61°	996.5	976.9	961.1	941.5	915.9	889.3	887.5	872.5
62.5°	998.2	980.5	950.4	930.0	910.6	876.1	875.2	861.0
65°	996.5	979.6	964.6	926.5	899.9	885.7	855.6	867.2
67.5°	969.1	954.0	926.5	905.2	864.5	846.8	830.0	830.0
70°	925.7	903.5	876.9	850.3	822.9	792.7	777.7	768.9
72.5°	853.0	834.3	813.1	784.8	751.1	723.7	709.5	703.3
75°	761.8	741.3	722.8	701.5	666.1	643.1	628.0	623.6
77.5°	666.1	648.3	615.6	595.3	571.3	544.8	531.5	526.1
80°	543.9	534.1	511.1	478.3	466.8	434.0	425.2	417.2
82.5°	408.3	397.7	376.4	353.5	339.3	320.6	304.7	303.0
85°	256.9	249.8	236.5	219.6	202.0	191.3	177.1	180.7
87.5°	95.7	91.2	83.2	72.6	64.7	57.6	50.5	53.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)