

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: P197663

Luminaire Tested: **TT-C3-LED-E1-MQ-CG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197663
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4699.7 lumens
Efficiency: N/A
Efficacy: 104.4 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



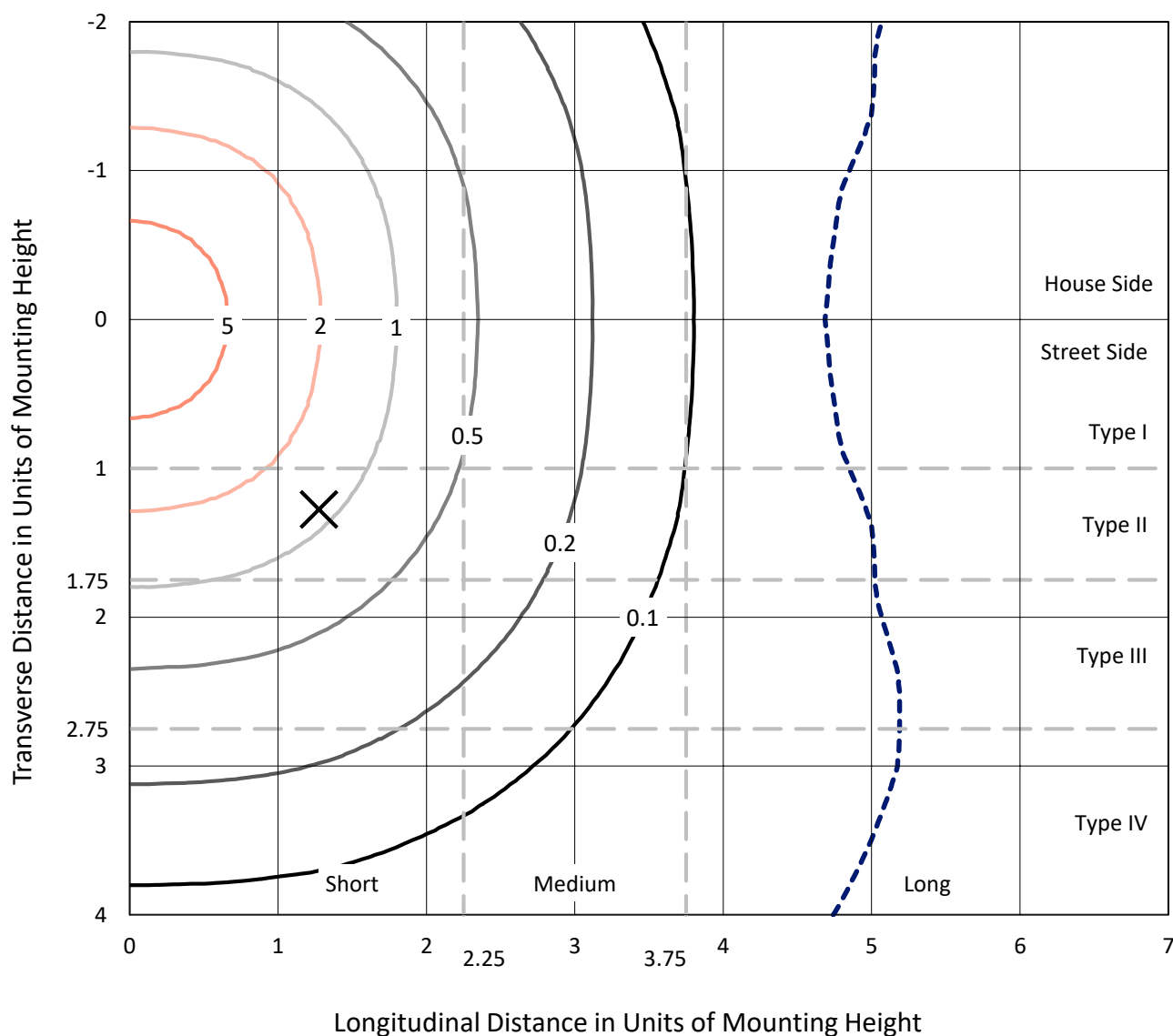
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

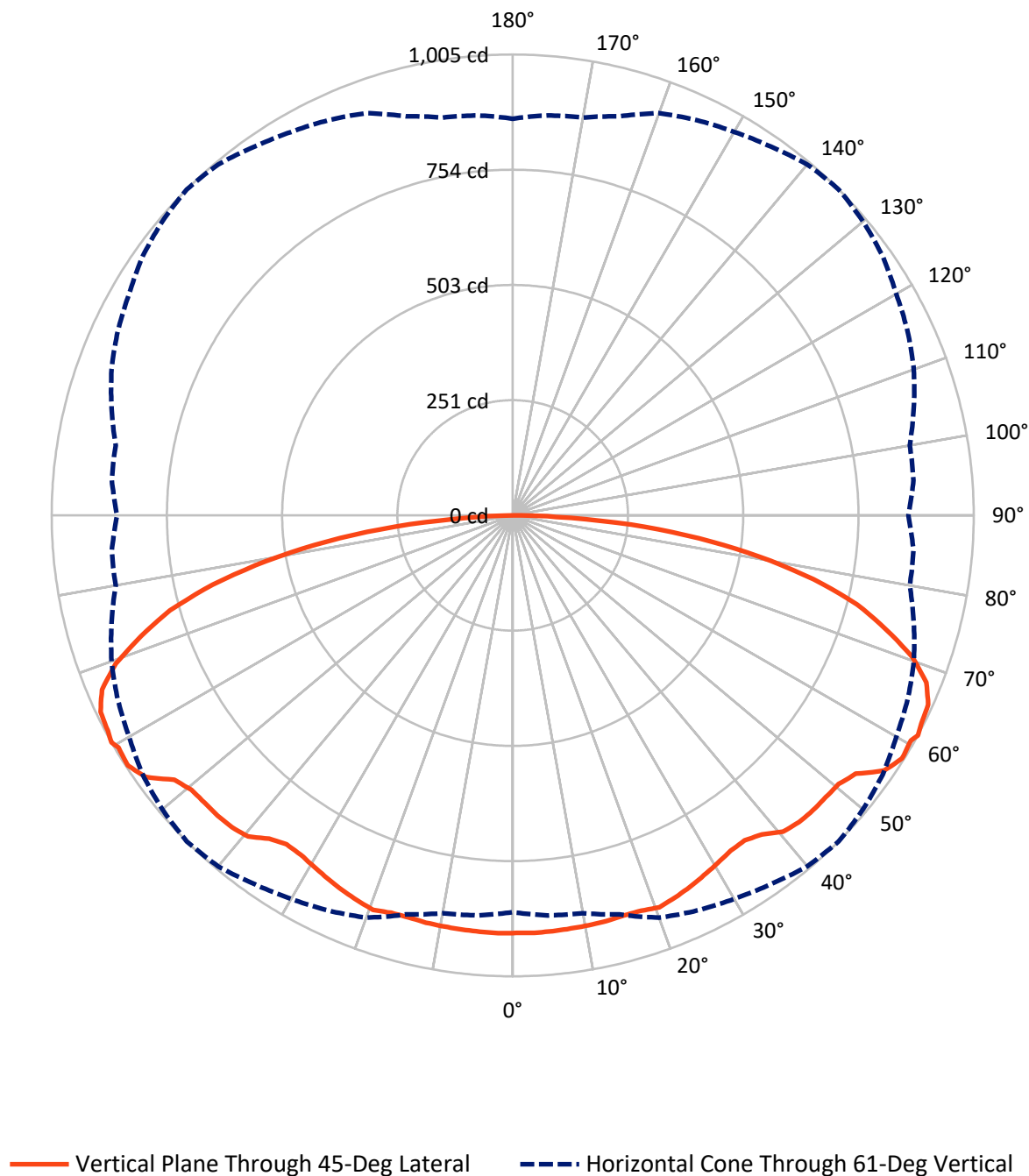


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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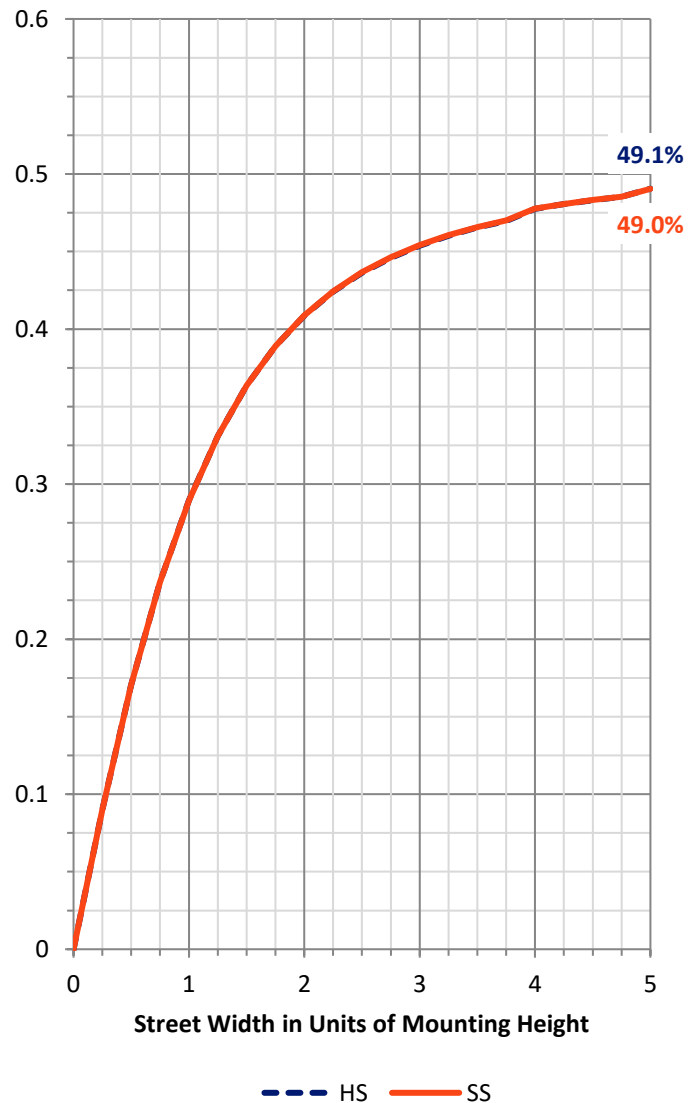
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2349.9	0.0	2349.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2349.9	0.0	2349.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4699.7	0.0	4699.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	1.8
10°-20°	256.8	5.5
20°-30°	413.2	8.8
30°-40°	547.4	11.6
40°-50°	691.3	14.7
50°-60°	828.3	17.6
60°-70°	905.7	19.3
70°-80°	725.0	15.4
80°-90°	245.3	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°	4699.7	100.0
0°-180°	4699.7	100.0

Coefficient of Utilization



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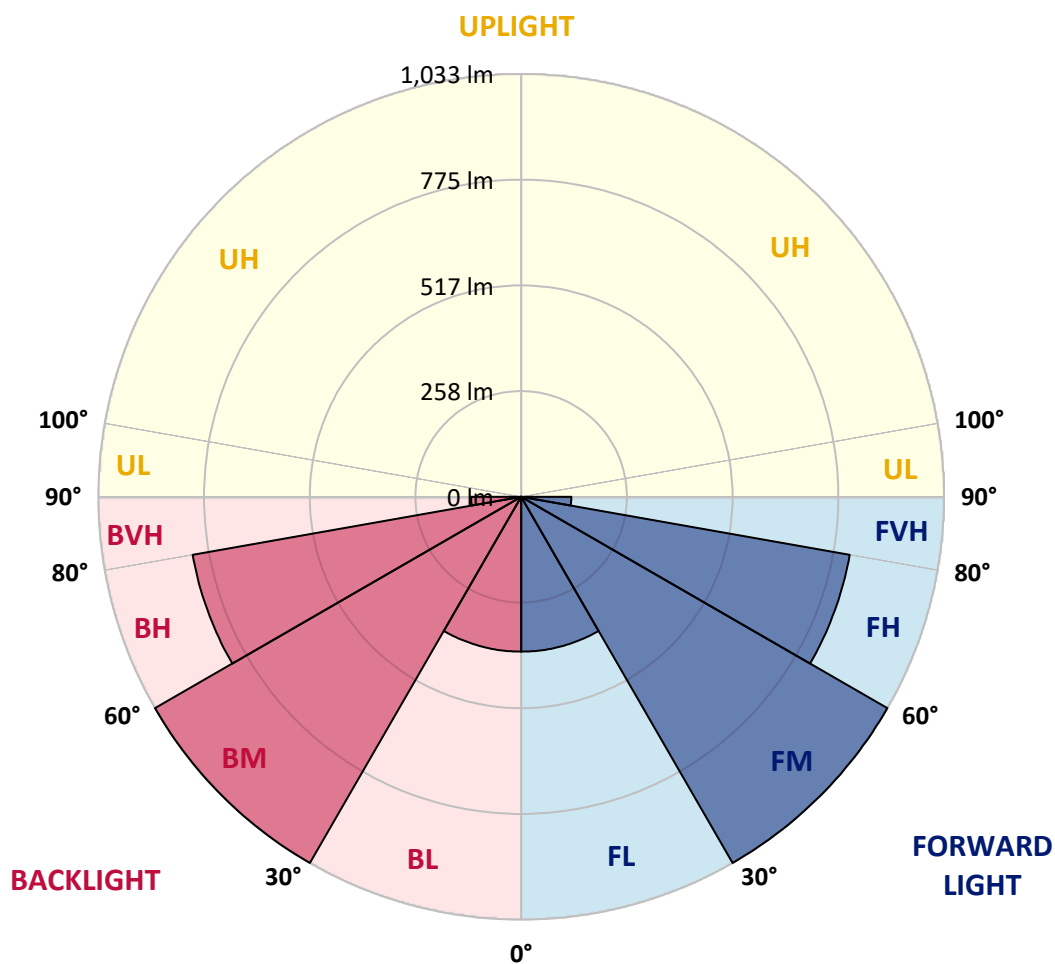
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	378.4	8.1			
FM	(30°-60°)	1033.5	22.0			
FH	(60°-80°)	815.3	17.3			G1/1800
FVH	(80°-90°)	122.6	2.6			G2/225
BL	(0°-30°)	378.4	8.1	B1/500		
BM	(30°-60°)	1033.5	22.0	B2/2500		
BH	(60°-80°)	815.3	17.3	B2/1000		G1/1800
BVH	(80°-90°)	122.6	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°	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6
2.5°	911.4	910.6	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4
5°	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6
7.5°	909.7	909.7	909.7	909.7	909.7	909.7	909.7	909.7	910.6	909.7	910.6
10°	907.9	907.9	907.9	907.9	908.8	908.8	908.8	908.8	908.8	908.8	908.8
12.5°	906.2	906.2	906.2	906.2	907.1	907.1	907.1	907.1	907.9	907.9	907.1
15°	904.4	903.5	903.5	904.4	904.4	905.3	905.3	905.3	906.2	905.3	905.3
17.5°	902.6	901.8	902.6	903.5	903.5	904.4	905.3	905.3	906.2	906.2	906.2
20°	905.3	904.4	905.3	906.2	907.1	908.8	909.7	910.6	911.4	912.3	912.3
22.5°	900.0	899.1	900.0	900.0	900.9	901.8	903.5	904.4	905.3	905.3	905.3
25°	892.2	892.2	893.0	893.0	893.9	894.8	895.7	896.6	896.6	897.5	896.6
27.5°	883.4	883.4	884.3	884.3	886.1	886.1	887.0	887.7	888.6	888.6	888.6
30°	872.9	872.9	873.8	874.7	876.4	877.2	878.1	879.0	879.9	879.9	879.9
32.5°	863.3	862.4	863.3	865.0	867.6	869.4	871.2	872.1	872.1	872.1	872.9
35°	855.4	856.3	858.0	859.8	863.3	865.0	866.7	869.4	870.3	870.3	870.3
37.5°	857.1	858.0	860.7	864.1	868.5	873.8	877.2	880.8	883.4	882.5	881.7
40°	868.5	870.3	874.7	879.9	887.0	893.9	899.1	903.5	906.2	907.1	906.2
42.5°	870.3	872.1	875.5	883.4	891.3	899.1	906.2	910.6	914.0	914.9	914.0
45°	869.4	869.4	874.7	883.4	891.3	899.1	907.9	914.0	917.6	917.6	917.6
47.5°	863.3	865.9	869.4	878.1	888.6	896.6	905.3	911.4	915.8	918.4	915.8
50°	863.3	863.3	869.4	875.5	885.2	899.1	911.4	917.6	922.0	921.1	922.0
52.5°	861.6	866.7	870.3	879.0	896.6	910.6	920.2	928.9	935.0	935.9	934.2
55°	877.2	878.1	886.1	902.6	919.3	935.0	952.6	965.7	976.2	982.4	973.6
57.5°	889.5	885.2	900.9	914.9	934.2	957.9	984.1	994.5	1002.5	1000.7	1003.4
60°	872.9	879.0	890.4	905.3	935.9	959.5	973.6	984.9	994.5	997.2	993.8
61°	865.0	875.5	880.8	900.9	933.4	950.8	965.7	981.5	999.0	1005.1	997.2
62.5°	851.8	868.5	866.7	899.1	919.3	939.4	967.5	985.8	998.1	999.8	998.1
65°	852.7	850.2	870.3	893.9	914.0	949.9	973.6	984.9	992.0	995.4	993.8
67.5°	824.8	815.9	840.5	857.1	891.3	919.3	942.1	958.6	969.3	972.7	968.4
70°	759.9	766.1	783.6	809.0	837.0	871.2	892.2	914.0	922.9	923.6	923.6
72.5°	697.8	701.3	718.8	742.5	774.8	804.6	825.7	843.1	851.1	851.8	853.6
75°	615.5	619.0	639.1	661.0	693.4	718.8	733.6	754.7	766.1	775.7	767.9
77.5°	520.0	526.2	541.9	565.6	595.4	609.4	635.7	660.2	668.0	670.7	668.0
80°	412.3	420.3	434.3	465.8	478.9	501.7	527.1	537.6	544.5	546.3	547.2
82.5°	296.8	303.0	317.8	339.7	354.6	373.0	390.5	403.6	411.4	409.8	408.9
85°	175.1	176.8	192.6	207.5	218.9	230.3	244.2	253.9	255.7	259.1	258.2
87.5°	52.6	53.5	60.4	68.3	73.6	78.8	87.6	99.0	101.5	94.6	95.4
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°	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6
2.5°	911.4	911.4	911.4	911.4	911.4	911.4	910.6	911.4
5°	910.6	910.6	910.6	910.6	910.6	910.6	910.6	910.6
7.5°	910.6	909.7	909.7	909.7	909.7	909.7	909.7	909.7
10°	908.8	908.8	908.8	908.8	907.9	907.9	907.9	907.9
12.5°	907.1	907.1	907.1	907.1	906.2	906.2	906.2	906.2
15°	905.3	905.3	905.3	905.3	904.4	904.4	904.4	904.4
17.5°	906.2	905.3	904.4	904.4	903.5	902.6	902.6	902.6
20°	911.4	910.6	908.8	907.1	906.2	905.3	905.3	905.3
22.5°	904.4	903.5	901.8	900.9	900.9	900.0	899.1	899.1
25°	896.6	894.8	894.8	893.9	893.9	892.2	892.2	891.3
27.5°	887.7	887.0	886.1	885.2	885.2	884.3	883.4	882.5
30°	879.9	878.1	876.4	875.5	874.7	873.8	873.8	873.8
32.5°	872.1	870.3	869.4	866.7	865.0	864.1	863.3	863.3
35°	869.4	866.7	865.0	862.4	859.8	858.0	857.1	855.4
37.5°	879.9	876.4	873.8	869.4	863.3	860.7	858.0	857.1
40°	902.6	899.1	893.9	887.0	879.9	874.7	870.3	868.5
42.5°	910.6	906.2	899.1	892.2	883.4	875.5	872.1	870.3
45°	913.1	908.8	899.1	890.4	882.5	875.5	870.3	868.5
47.5°	910.6	904.4	895.7	888.6	877.2	868.5	865.0	862.4
50°	916.7	911.4	900.0	884.3	874.7	869.4	863.3	862.4
52.5°	928.9	919.3	908.8	897.5	879.0	868.5	865.0	860.7
55°	965.7	952.6	934.2	915.8	904.4	887.7	877.2	877.2
57.5°	993.8	983.2	959.5	935.0	914.0	901.8	886.1	887.0
60°	985.8	971.8	960.4	935.9	906.2	889.5	883.4	872.1
61°	984.9	965.7	949.9	930.7	905.3	879.0	877.2	862.4
62.5°	986.7	969.3	939.4	919.3	900.0	865.9	865.0	851.1
65°	984.9	968.4	953.5	915.8	889.5	875.5	845.8	857.1
67.5°	957.9	943.0	915.8	894.8	854.5	837.0	820.4	820.4
70°	914.9	893.0	866.7	840.5	813.4	783.6	768.7	759.9
72.5°	843.1	824.8	803.8	775.7	742.5	715.3	701.3	695.2
75°	753.0	732.8	714.4	693.4	658.4	635.7	620.8	616.3
77.5°	658.4	640.9	608.5	588.4	564.8	538.5	525.3	520.0
80°	537.6	528.0	505.2	472.8	461.4	429.0	420.3	412.3
82.5°	403.6	393.1	372.1	349.4	335.3	316.9	301.2	299.4
85°	253.9	246.9	233.7	217.2	199.6	189.1	175.1	178.6
87.5°	94.6	90.1	82.3	71.8	64.0	56.9	49.9	52.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)