

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: P197685

Luminaire Tested: **TT-C3-LED-E1-5MQ-PM-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197685
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-E1-5MQ-PM-CG-MS/DIM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4648.5 lumens
Efficiency: N/A
Efficacy: 103.3 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

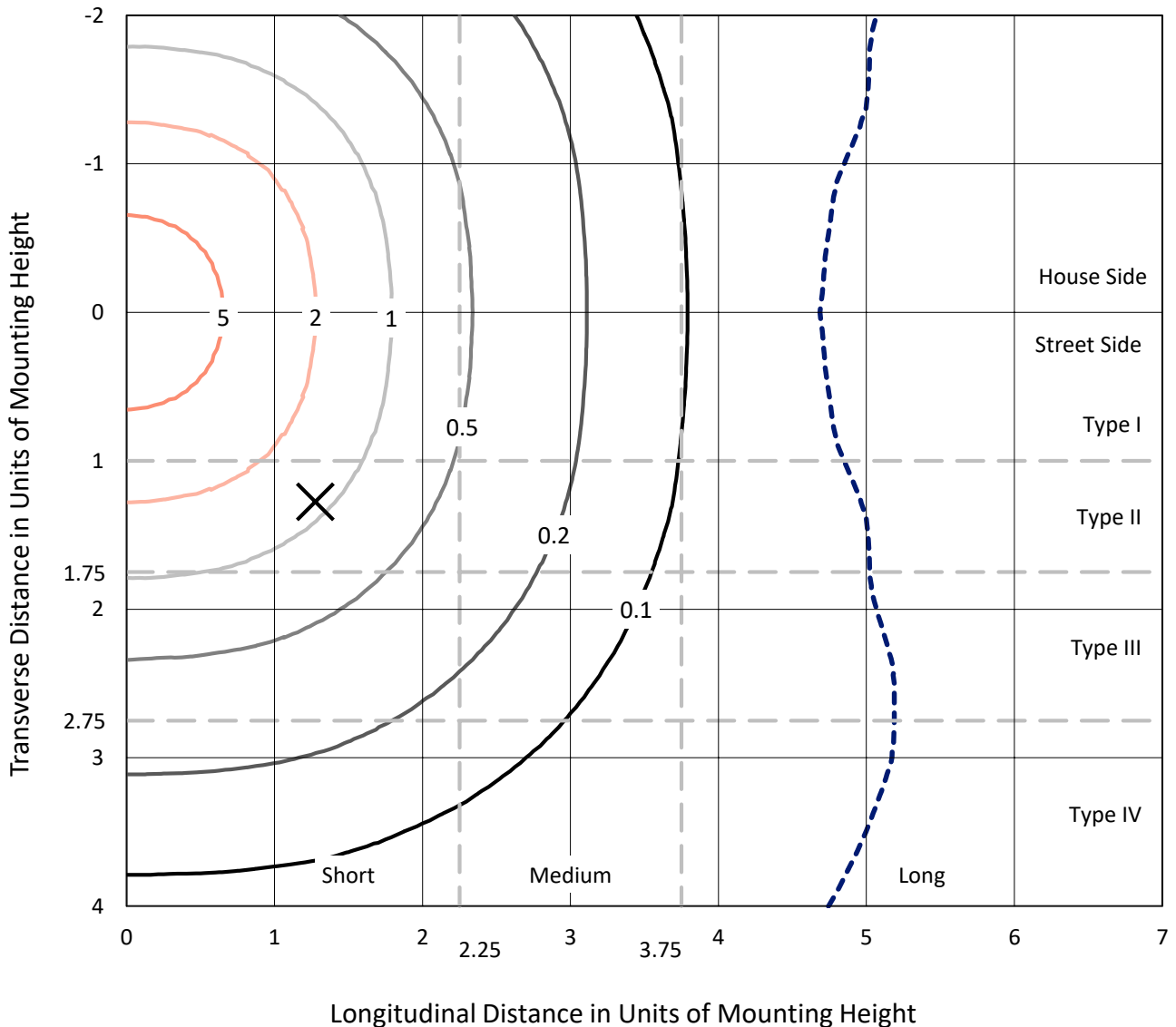


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

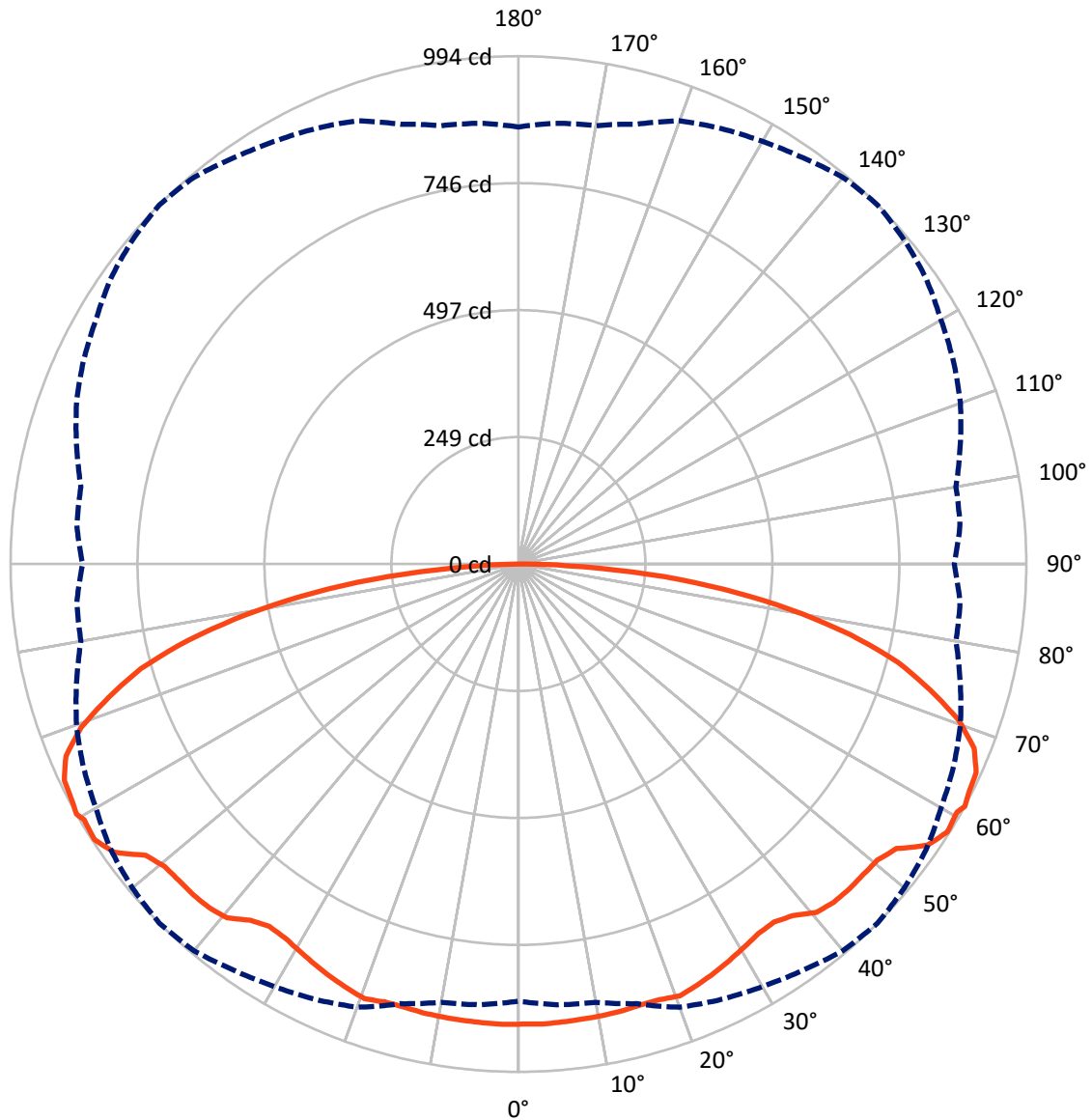


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 61-Deg Vertical

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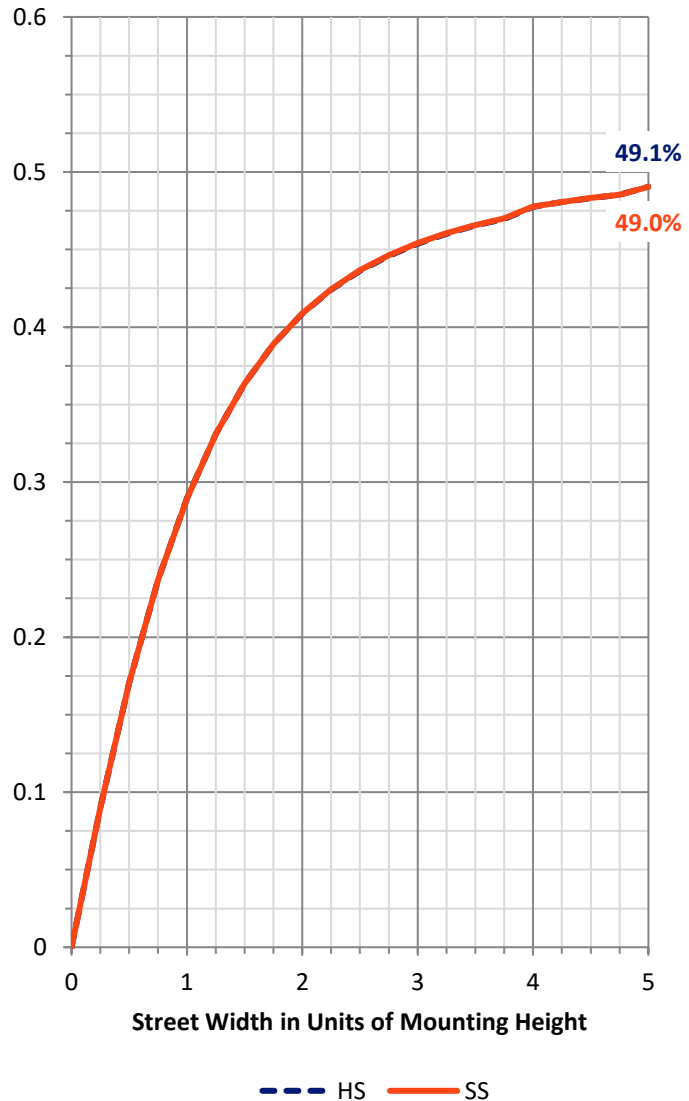
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2324.3	0.0	2324.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2324.3	0.0	2324.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4648.5	0.0	4648.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	1.8
10°-20°	254.0	5.5
20°-30°	408.7	8.8
30°-40°	541.4	11.6
40°-50°	683.7	14.7
50°-60°	819.3	17.6
60°-70°	895.8	19.3
70°-80°	717.1	15.4
80°-90°	242.6	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°	4648.5	100.0
0°-180°	4648.5	100.0

Coefficient of Utilization



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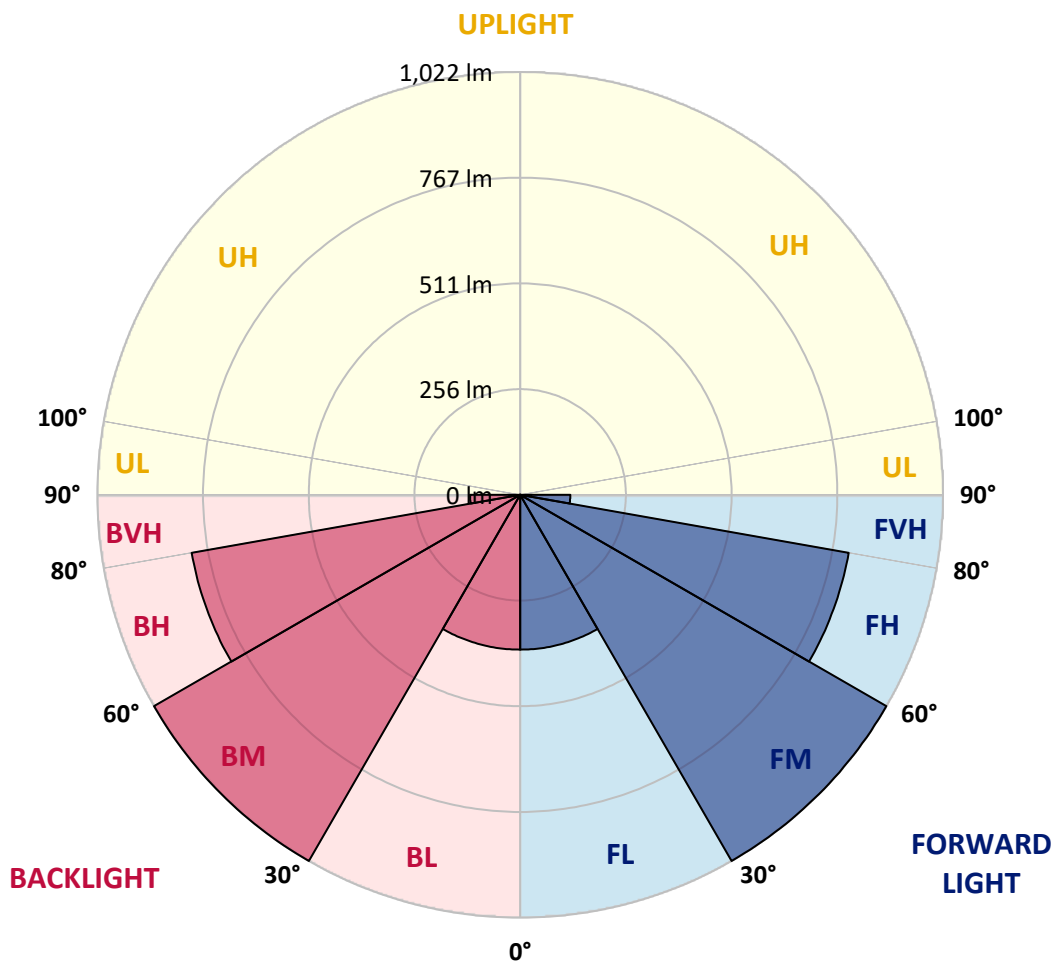
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.3	8.1			
FM (30°-60°)	1022.2	22.0			
FH (60°-80°)	806.4	17.3			G1/1800
FVH (80°-90°)	121.3	2.6			G2/225
BL (0°-30°)	374.3	8.1	B1/500		
BM (30°-60°)	1022.2	22.0	B2/2500		
BH (60°-80°)	806.4	17.3	B2/1000		G1/1800
BVH (80°-90°)	121.3	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°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	901.5	900.6	901.5	901.5	901.5	901.5	901.5	901.5	901.5	901.5	901.5
5°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
7.5°	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	900.6	899.7	900.6
10°	898.0	898.0	898.0	898.0	898.9	898.9	898.9	898.9	898.9	898.9	898.9
12.5°	896.3	896.3	896.3	896.3	897.1	897.1	897.1	897.1	898.0	898.0	897.1
15°	894.5	893.7	893.7	894.5	894.5	895.4	895.4	895.4	896.3	895.4	895.4
17.5°	892.8	891.9	892.8	893.7	893.7	894.5	895.4	895.4	896.3	896.3	896.3
20°	895.4	894.5	895.4	896.3	897.1	898.9	899.7	900.6	901.5	902.4	902.4
22.5°	890.2	889.3	890.2	890.2	891.1	891.9	893.7	894.5	895.4	895.4	895.4
25°	882.4	882.4	883.3	883.3	884.1	885.0	885.9	886.7	886.7	887.6	886.7
27.5°	873.8	873.8	874.7	874.7	876.4	876.4	877.3	878.2	879.0	879.0	879.0
30°	863.4	863.4	864.3	865.1	866.9	867.7	868.6	869.5	870.3	870.3	870.3
32.5°	853.9	853.0	853.9	855.6	858.2	859.9	861.7	862.5	862.5	862.5	863.4
35°	846.0	846.9	848.6	850.4	853.9	855.6	857.3	859.9	860.8	860.8	860.8
37.5°	847.8	848.6	851.3	854.7	859.1	864.3	867.7	871.2	873.8	872.9	872.1
40°	859.1	860.8	865.1	870.3	877.3	884.1	889.3	893.7	896.3	897.1	896.3
42.5°	860.8	862.5	866.0	873.8	881.6	889.3	896.3	900.6	904.1	905.0	904.1
45°	859.9	859.9	865.1	873.8	881.6	889.3	898.0	904.1	907.6	907.6	907.6
47.5°	853.9	856.5	859.9	868.6	879.0	886.7	895.4	901.5	905.8	908.4	905.8
50°	853.9	853.9	859.9	866.0	875.5	889.3	901.5	907.6	911.9	911.0	911.9
52.5°	852.1	857.3	860.8	869.5	886.7	900.6	910.2	918.8	924.9	925.8	924.0
55°	867.7	868.6	876.4	892.8	909.3	924.9	942.2	955.2	965.6	971.7	963.0
57.5°	879.9	875.5	891.1	905.0	924.0	947.4	973.4	983.7	991.5	989.8	992.4
60°	863.4	869.5	880.8	895.4	925.8	949.1	963.0	974.3	983.7	986.3	982.9
61°	855.6	866.0	871.2	891.1	923.2	940.4	955.2	970.8	988.1	994.1	986.3
62.5°	842.6	859.1	857.3	889.3	909.3	929.3	956.9	975.1	987.2	988.9	987.2
65°	843.4	840.8	860.8	884.1	904.1	939.6	963.0	974.3	981.1	984.6	982.9
67.5°	815.8	807.1	831.4	847.8	881.6	909.3	931.8	948.2	958.7	962.1	957.8
70°	751.7	757.7	775.1	800.2	827.9	861.7	882.4	904.1	912.8	913.6	913.6
72.5°	690.2	693.6	711.0	734.4	766.4	795.8	816.6	834.0	841.7	842.6	844.3
75°	608.8	612.2	632.2	653.8	685.9	711.0	725.7	746.4	757.7	767.3	759.5
77.5°	514.4	520.4	536.1	559.4	588.9	602.7	628.7	652.9	660.7	663.3	660.7
80°	407.8	415.6	429.5	460.7	473.7	496.3	521.3	531.7	538.7	540.4	541.3
82.5°	293.6	299.7	314.3	336.0	350.8	368.9	386.2	399.3	407.0	405.3	404.5
85°	173.2	174.9	190.5	205.3	216.5	227.7	241.6	251.2	252.9	256.4	255.5
87.5°	52.0	52.8	59.8	67.6	72.7	77.9	86.6	97.9	100.5	93.5	94.4
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°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	901.5	901.5	901.5	901.5	901.5	901.5	900.6	901.5
5°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
7.5°	900.6	899.7	899.7	899.7	899.7	899.7	899.7	899.7
10°	898.9	898.9	898.9	898.9	898.0	898.0	898.0	898.0
12.5°	897.1	897.1	897.1	897.1	896.3	896.3	896.3	896.3
15°	895.4	895.4	895.4	895.4	894.5	894.5	894.5	894.5
17.5°	896.3	895.4	894.5	894.5	893.7	892.8	892.8	892.8
20°	901.5	900.6	898.9	897.1	896.3	895.4	895.4	895.4
22.5°	894.5	893.7	891.9	891.1	891.1	890.2	889.3	889.3
25°	886.7	885.0	885.0	884.1	884.1	882.4	882.4	881.6
27.5°	878.2	877.3	876.4	875.5	875.5	874.7	873.8	872.9
30°	870.3	868.6	866.9	866.0	865.1	864.3	864.3	864.3
32.5°	862.5	860.8	859.9	857.3	855.6	854.7	853.9	853.9
35°	859.9	857.3	855.6	853.0	850.4	848.6	847.8	846.0
37.5°	870.3	866.9	864.3	859.9	853.9	851.3	848.6	847.8
40°	892.8	889.3	884.1	877.3	870.3	865.1	860.8	859.1
42.5°	900.6	896.3	889.3	882.4	873.8	866.0	862.5	860.8
45°	903.2	898.9	889.3	880.8	872.9	866.0	860.8	859.1
47.5°	900.6	894.5	885.9	879.0	867.7	859.1	855.6	853.0
50°	906.7	901.5	890.2	874.7	865.1	859.9	853.9	853.0
52.5°	918.8	909.3	898.9	887.6	869.5	859.1	855.6	851.3
55°	955.2	942.2	924.0	905.8	894.5	878.2	867.7	867.7
57.5°	982.9	972.5	949.1	924.9	904.1	891.9	876.4	877.3
60°	975.1	961.3	950.0	925.8	896.3	879.9	873.8	862.5
61°	974.3	955.2	939.6	920.6	895.4	869.5	867.7	853.0
62.5°	976.0	958.7	929.3	909.3	890.2	856.5	855.6	841.7
65°	974.3	957.8	943.0	905.8	879.9	866.0	836.5	847.8
67.5°	947.4	932.6	905.8	885.0	845.2	827.9	811.4	811.4
70°	905.0	883.3	857.3	831.4	804.5	775.1	760.3	751.7
72.5°	834.0	815.8	794.9	767.3	734.4	707.5	693.6	687.6
75°	744.7	724.9	706.6	685.9	651.2	628.7	614.0	609.6
77.5°	651.2	633.9	601.8	582.0	558.5	532.6	519.6	514.4
80°	531.7	522.2	499.7	467.6	456.3	424.3	415.6	407.8
82.5°	399.3	388.8	368.0	345.6	331.7	313.4	297.9	296.2
85°	251.2	244.2	231.2	214.7	197.5	187.0	173.2	176.6
87.5°	93.5	89.2	81.4	71.1	63.2	56.3	49.4	52.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)