

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: P197664

Luminaire Tested: **TT-C3-LED-E1-MQ-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197664
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4593.2 lumens
Efficiency: N/A
Efficacy: 102.1 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

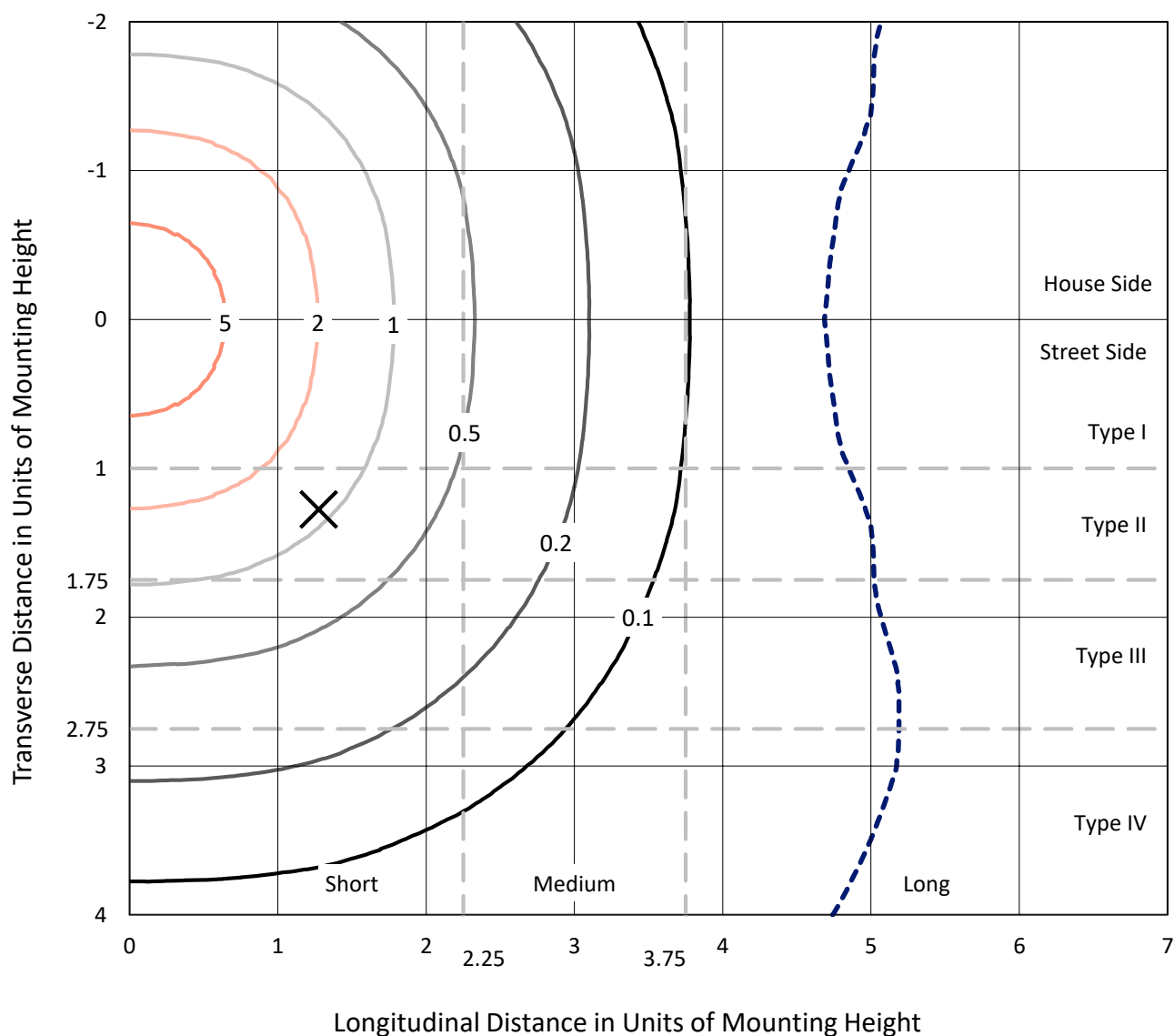


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

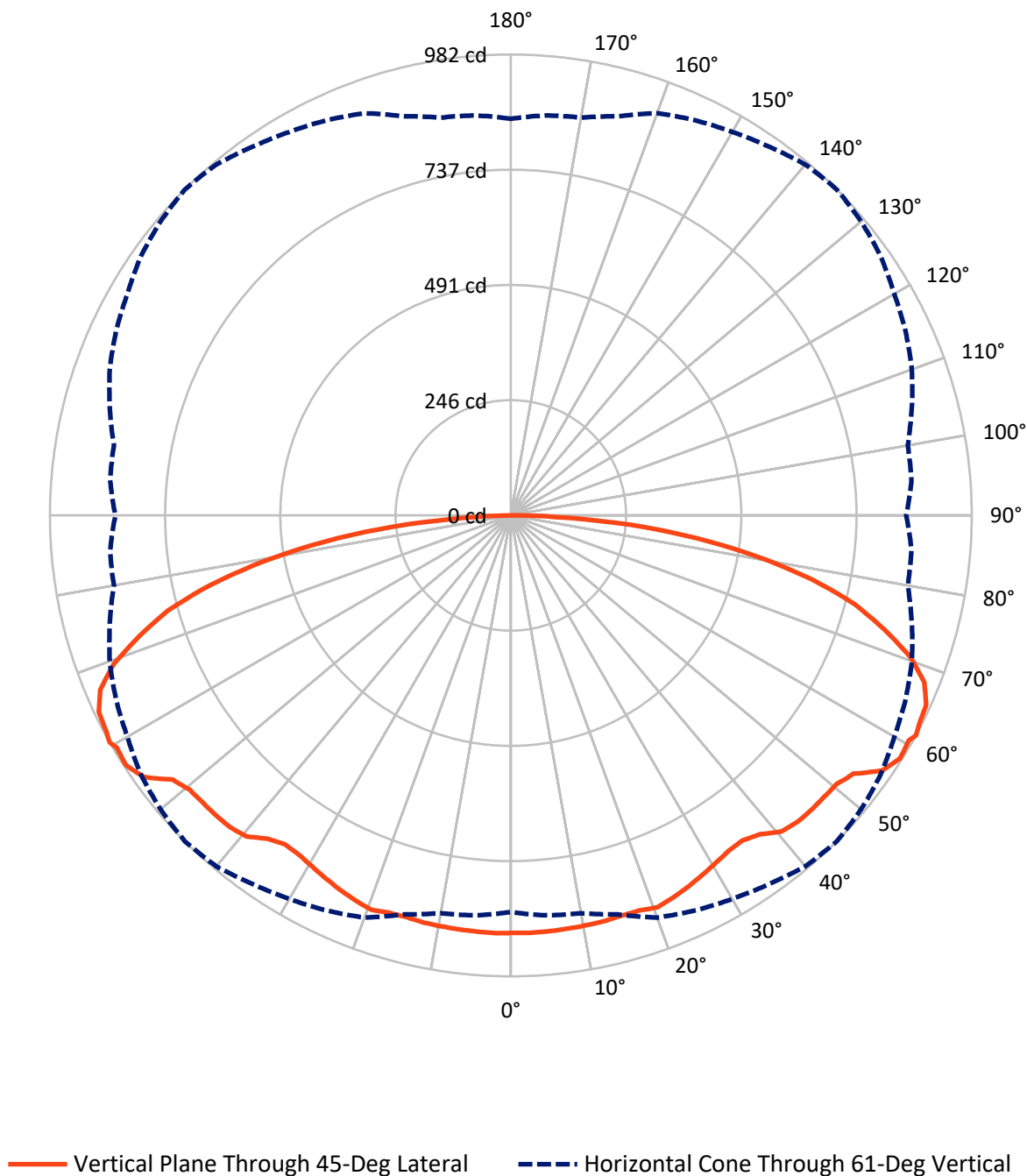


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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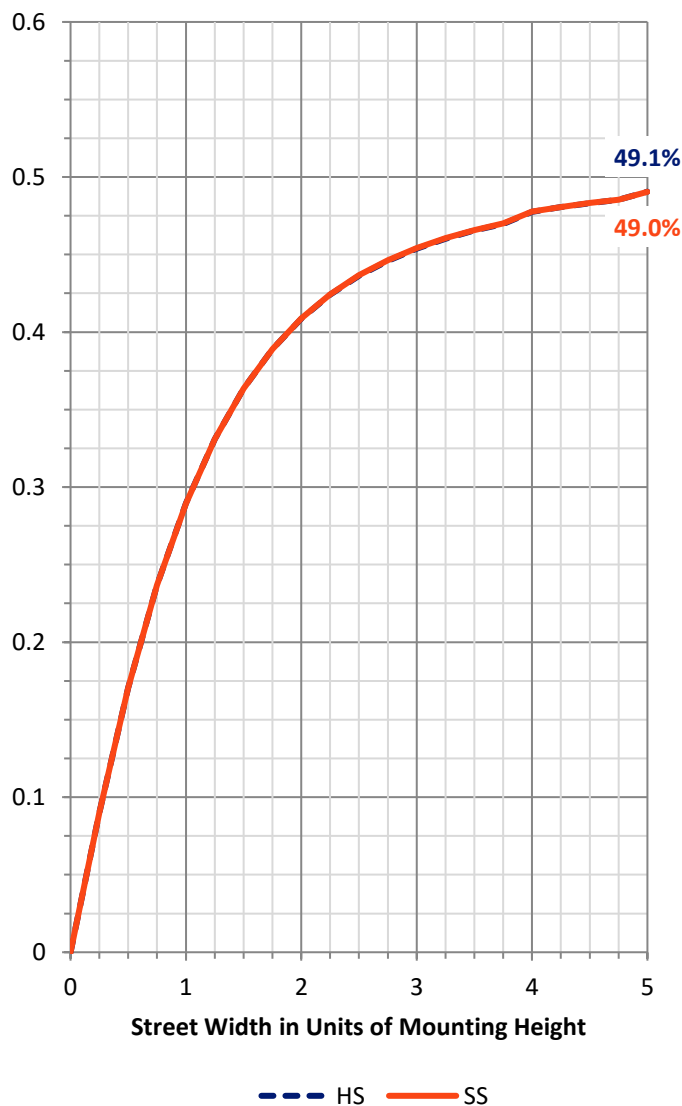
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2296.6	0.0	2296.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2296.6	0.0	2296.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4593.2	0.0	4593.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	1.8
10°-20°	251.0	5.5
20°-30°	403.8	8.8
30°-40°	535.0	11.6
40°-50°	675.6	14.7
50°-60°	809.5	17.6
60°-70°	885.1	19.3
70°-80°	708.6	15.4
80°-90°	239.7	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°	4593.2	100.0
0°-180°	4593.2	100.0

Coefficient of Utilization



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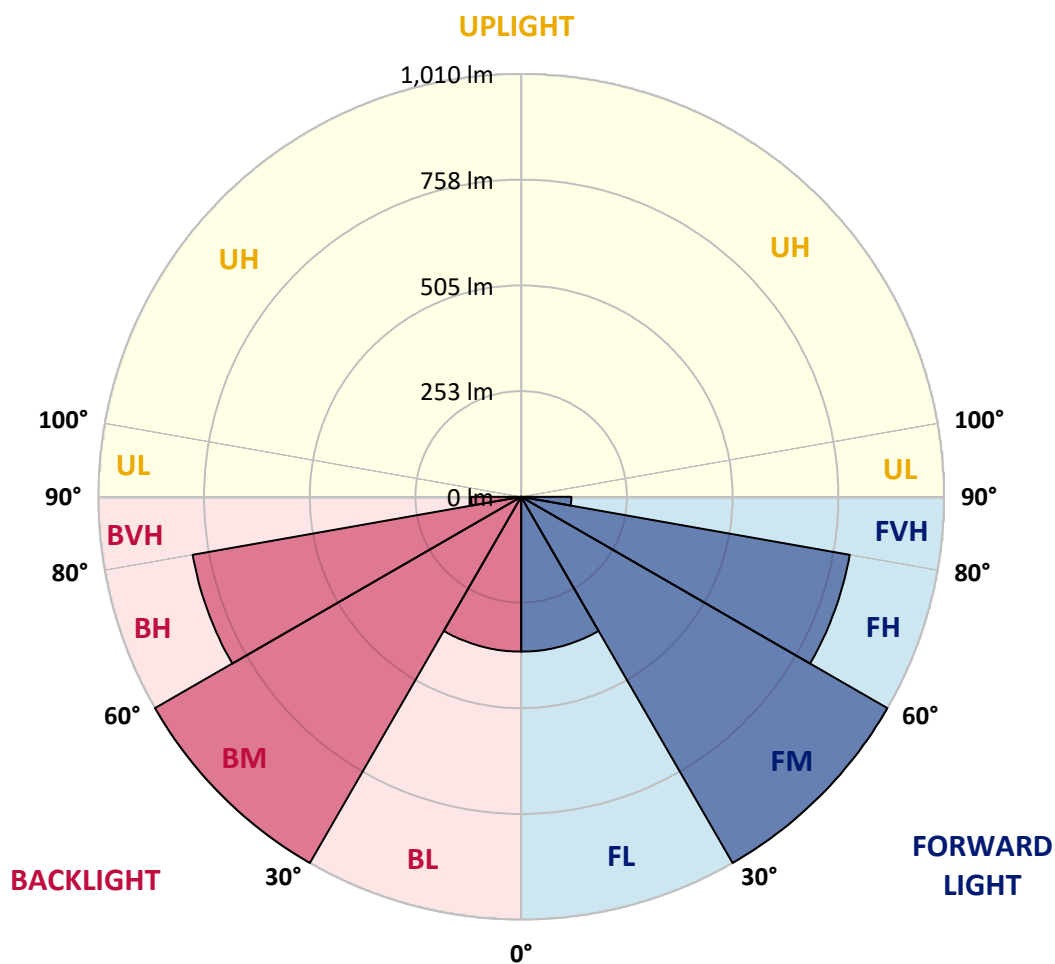
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.9	8.1			
FM	(30°-60°)	1010.0	22.0			
FH	(60°-80°)	796.8	17.3			G1/1800
FVH	(80°-90°)	119.9	2.6			G2/225
BL	(0°-30°)	369.9	8.1	B1/500		
BM	(30°-60°)	1010.0	22.0	B2/2500		
BH	(60°-80°)	796.8	17.3	B2/1000		G1/1800
BVH	(80°-90°)	119.9	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°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
2.5°	890.7	889.9	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7	890.7
5°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
7.5°	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.9	889.1	889.9
10°	887.4	887.4	887.4	887.4	888.2	888.2	888.2	888.2	888.2	888.2	888.2
12.5°	885.6	885.6	885.6	885.6	886.5	886.5	886.5	886.5	887.4	887.4	886.5
15°	883.9	883.0	883.0	883.9	883.9	884.8	884.8	884.8	885.6	884.8	884.8
17.5°	882.2	881.3	882.2	883.0	883.0	883.9	884.8	884.8	885.6	885.6	885.6
20°	884.8	883.9	884.8	885.6	886.5	888.2	889.1	889.9	890.7	891.6	891.6
22.5°	879.6	878.7	879.6	879.6	880.4	881.3	883.0	883.9	884.8	884.8	884.8
25°	871.9	871.9	872.8	872.8	873.6	874.5	875.4	876.2	876.2	877.1	876.2
27.5°	863.4	863.4	864.3	864.3	866.0	866.0	866.8	867.6	868.5	868.5	868.5
30°	853.1	853.1	854.0	854.9	856.5	857.3	858.2	859.1	859.9	859.9	859.9
32.5°	843.7	842.9	843.7	845.4	848.0	849.7	851.4	852.3	852.3	852.3	853.1
35°	836.0	836.8	838.6	840.3	843.7	845.4	847.1	849.7	850.5	850.5	850.5
37.5°	837.7	838.6	841.2	844.5	848.8	854.0	857.3	860.8	863.4	862.5	861.7
40°	848.8	850.5	854.9	859.9	866.8	873.6	878.7	883.0	885.6	886.5	885.6
42.5°	850.5	852.3	855.6	863.4	871.1	878.7	885.6	889.9	893.3	894.2	893.3
45°	849.7	849.7	854.9	863.4	871.1	878.7	887.4	893.3	896.7	896.7	896.7
47.5°	843.7	846.2	849.7	858.2	868.5	876.2	884.8	890.7	895.0	897.6	895.0
50°	843.7	843.7	849.7	855.6	865.1	878.7	890.7	896.7	901.1	900.2	901.1
52.5°	842.0	847.1	850.5	859.1	876.2	889.9	899.3	907.9	913.8	914.7	913.0
55°	857.3	858.2	866.0	882.2	898.5	913.8	931.0	943.8	954.1	960.1	951.5
57.5°	869.3	865.1	880.4	894.2	913.0	936.1	961.7	972.0	979.8	978.0	980.6
60°	853.1	859.1	870.2	884.8	914.7	937.8	951.5	962.6	972.0	974.6	971.2
61°	845.4	855.6	860.8	880.4	912.2	929.2	943.8	959.3	976.3	982.4	974.6
62.5°	832.5	848.8	847.1	878.7	898.5	918.1	945.5	963.5	975.4	977.2	975.4
65°	833.4	830.9	850.5	873.6	893.3	928.4	951.5	962.6	969.5	972.9	971.2
67.5°	806.1	797.4	821.4	837.7	871.1	898.5	920.7	936.9	947.3	950.6	946.4
70°	742.7	748.7	765.8	790.6	818.1	851.4	871.9	893.3	901.9	902.7	902.7
72.5°	681.9	685.4	702.5	725.6	757.3	786.3	806.9	824.0	831.8	832.5	834.2
75°	601.5	605.0	624.6	646.0	677.7	702.5	717.0	737.6	748.7	758.1	750.5
77.5°	508.2	514.3	529.6	552.8	581.9	595.6	621.3	645.2	652.9	655.5	652.9
80°	403.0	410.8	424.5	455.2	468.1	490.3	515.1	525.4	532.2	533.9	534.8
82.5°	290.1	296.1	310.6	331.9	346.5	364.6	381.6	394.5	402.1	400.5	399.6
85°	171.1	172.8	188.3	202.8	214.0	225.1	238.7	248.2	249.9	253.3	252.4
87.5°	51.4	52.2	59.0	66.7	71.9	77.0	85.6	96.7	99.2	92.4	93.3
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°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
2.5°	890.7	890.7	890.7	890.7	890.7	890.7	889.9	890.7
5°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
7.5°	889.9	889.1	889.1	889.1	889.1	889.1	889.1	889.1
10°	888.2	888.2	888.2	888.2	887.4	887.4	887.4	887.4
12.5°	886.5	886.5	886.5	886.5	885.6	885.6	885.6	885.6
15°	884.8	884.8	884.8	884.8	883.9	883.9	883.9	883.9
17.5°	885.6	884.8	883.9	883.9	883.0	882.2	882.2	882.2
20°	890.7	889.9	888.2	886.5	885.6	884.8	884.8	884.8
22.5°	883.9	883.0	881.3	880.4	880.4	879.6	878.7	878.7
25°	876.2	874.5	874.5	873.6	873.6	871.9	871.9	871.1
27.5°	867.6	866.8	866.0	865.1	865.1	864.3	863.4	862.5
30°	859.9	858.2	856.5	855.6	854.9	854.0	854.0	854.0
32.5°	852.3	850.5	849.7	847.1	845.4	844.5	843.7	843.7
35°	849.7	847.1	845.4	842.9	840.3	838.6	837.7	836.0
37.5°	859.9	856.5	854.0	849.7	843.7	841.2	838.6	837.7
40°	882.2	878.7	873.6	866.8	859.9	854.9	850.5	848.8
42.5°	889.9	885.6	878.7	871.9	863.4	855.6	852.3	850.5
45°	892.4	888.2	878.7	870.2	862.5	855.6	850.5	848.8
47.5°	889.9	883.9	875.4	868.5	857.3	848.8	845.4	842.9
50°	895.9	890.7	879.6	864.3	854.9	849.7	843.7	842.9
52.5°	907.9	898.5	888.2	877.1	859.1	848.8	845.4	841.2
55°	943.8	931.0	913.0	895.0	883.9	867.6	857.3	857.3
57.5°	971.2	960.9	937.8	913.8	893.3	881.3	866.0	866.8
60°	963.5	949.8	938.6	914.7	885.6	869.3	863.4	852.3
61°	962.6	943.8	928.4	909.6	884.8	859.1	857.3	842.9
62.5°	964.3	947.3	918.1	898.5	879.6	846.2	845.4	831.8
65°	962.6	946.4	931.8	895.0	869.3	855.6	826.6	837.7
67.5°	936.1	921.6	895.0	874.5	835.1	818.1	801.8	801.8
70°	894.2	872.8	847.1	821.4	795.0	765.8	751.2	742.7
72.5°	824.0	806.1	785.6	758.1	725.6	699.1	685.4	679.4
75°	735.9	716.1	698.2	677.7	643.5	621.3	606.7	602.4
77.5°	643.5	626.3	594.7	575.1	552.0	526.3	513.4	508.2
80°	525.4	516.0	493.8	462.0	450.9	419.3	410.8	403.0
82.5°	394.5	384.2	363.7	341.4	327.7	309.7	294.4	292.7
85°	248.2	241.3	228.4	212.2	195.1	184.8	171.1	174.6
87.5°	92.4	88.1	80.4	70.2	62.5	55.6	48.8	51.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)