

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: P197752

Luminaire Tested: **TT-C1-LED-E1-WQ-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-WQ-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3279.8 lumens
Efficiency: N/A
Efficacy: 117.1 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): 28
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



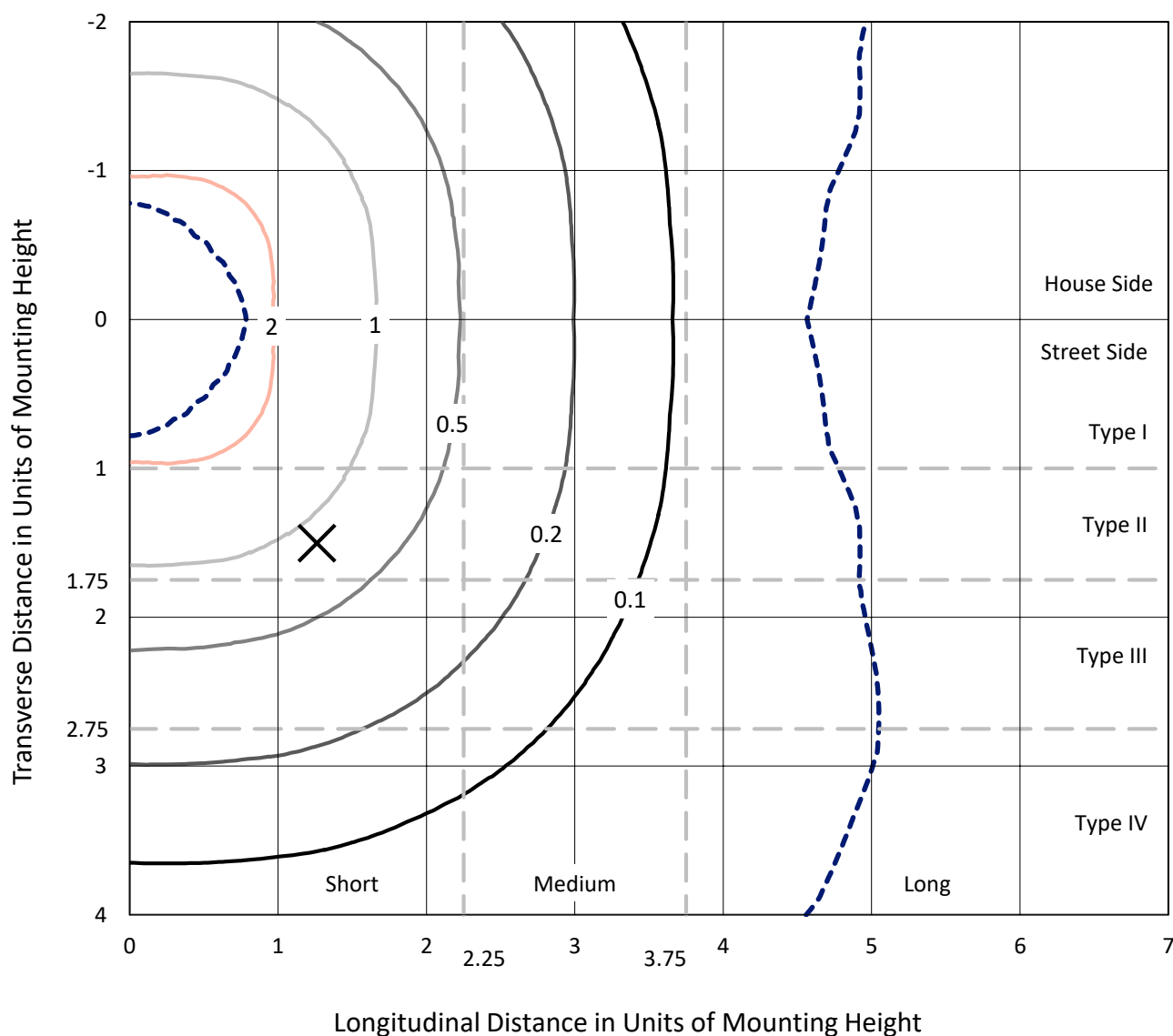
REPORT NUMBER: P197752

CATALOG NUMBER: TT-C1-LED-E1-WQ-MS/DIM-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

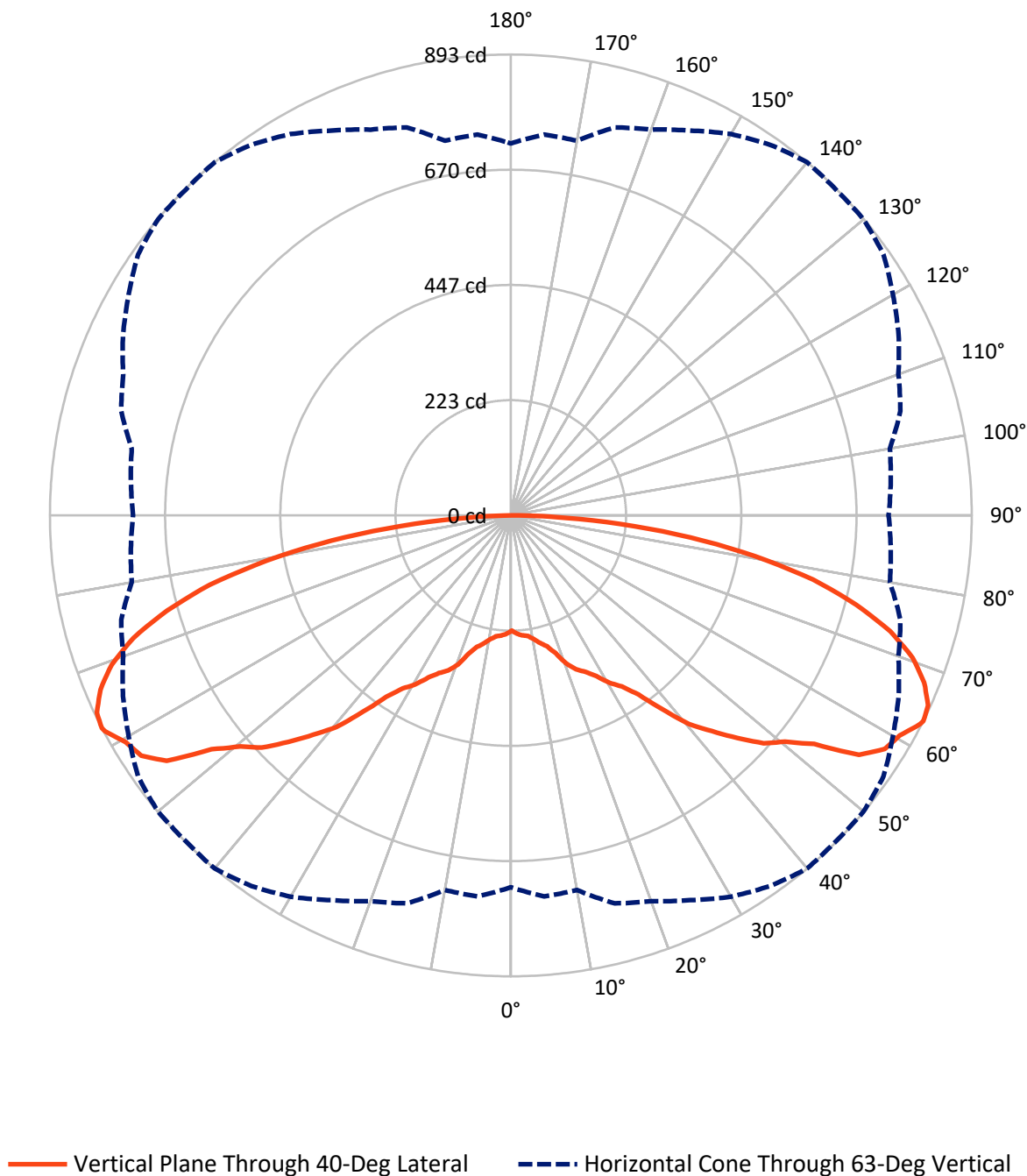


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P197752

CATALOG NUMBER: TT-C1-LED-E1-WQ-MS/DIM-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P197752

CATALOG NUMBER: TT-C1-LED-E1-WQ-MS/DIM-7060

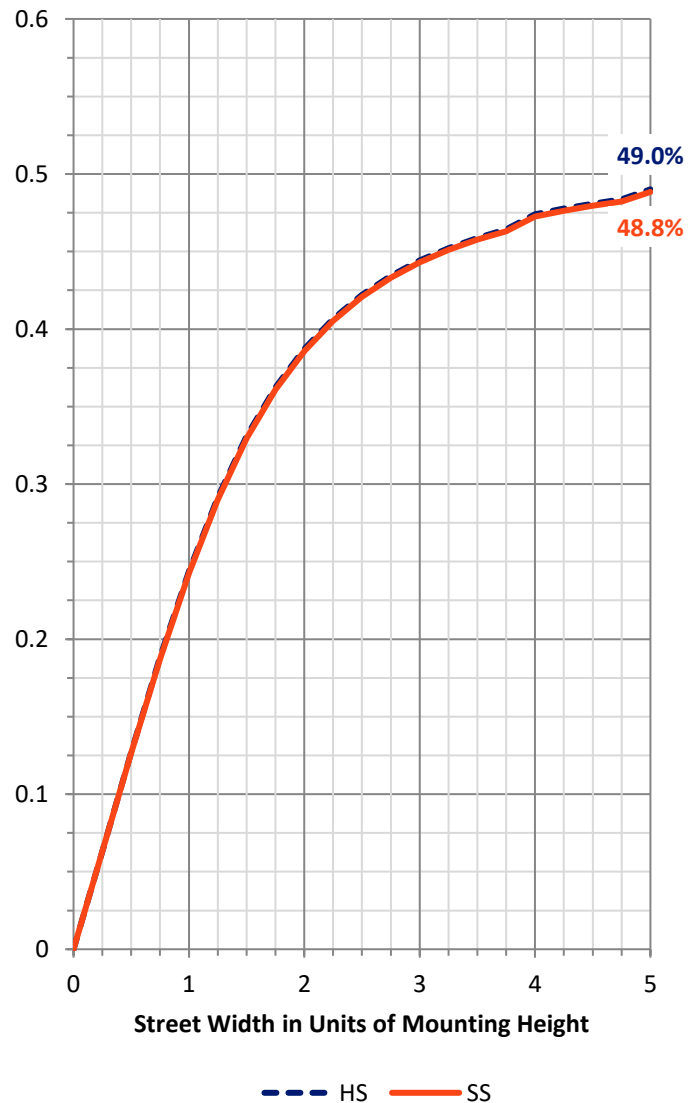
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1639.9	0.0	1639.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1639.9	0.0	1639.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3279.8	0.0	3279.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	0.7
10°-20°	76.6	2.3
20°-30°	155.8	4.7
30°-40°	268.5	8.2
40°-50°	452.3	13.8
50°-60°	666.0	20.3
60°-70°	792.0	24.1
70°-80°	641.1	19.5
80°-90°	205.1	6.3
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°	3279.8	100.0
0°-180°	3279.8	100.0

Coefficient of Utilization



REPORT NUMBER: P197752

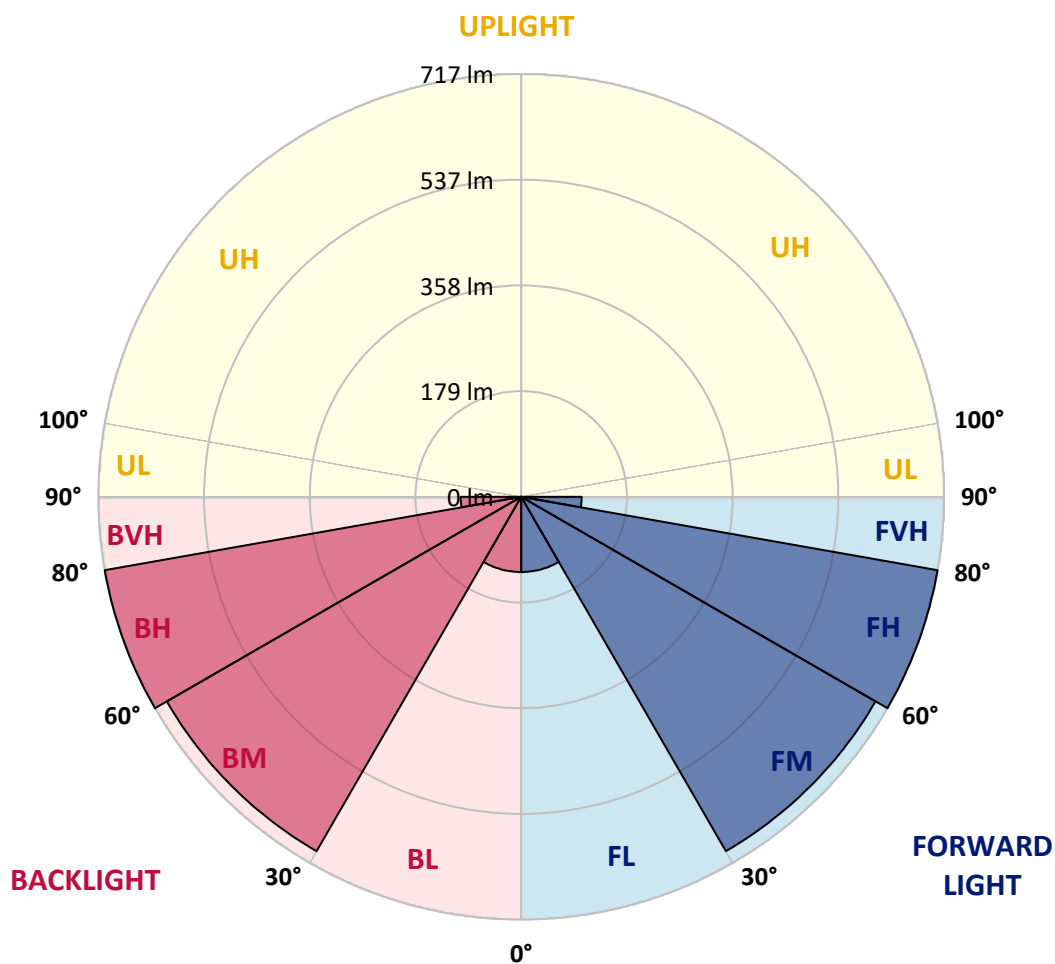
CATALOG NUMBER: TT-C1-LED-E1-WQ-MS/DIM-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.5	3.9			
FM	(30°-60°)	693.4	21.1			
FH	(60°-80°)	716.5	21.8			G1/1800
FVH	(80°-90°)	102.6	3.1			G2/225
BL	(0°-30°)	127.5	3.9	B1/500		
BM	(30°-60°)	693.4	21.1	B1/1000		
BH	(60°-80°)	716.5	21.8	B2/1000		G1/1800
BVH	(80°-90°)	102.6	3.1			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: P197752

CATALOG NUMBER: TT-C1-LED-E1-WQ-MS/DIM-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	223.3	223.3	223.3	223.3	223.3	223.3	223.3	223.3	223.3	223.3	223.3
2.5°	230.3	230.3	230.3	230.3	230.3	230.3	229.6	230.3	229.6	229.6	229.6
5°	234.7	234.7	234.7	234.7	234.1	234.1	233.5	233.5	233.5	232.8	233.5
7.5°	236.7	236.7	236.7	236.7	236.0	236.0	236.0	236.0	236.0	236.0	236.0
10°	241.1	241.1	241.7	242.4	243.6	243.6	243.6	244.2	243.6	243.6	243.6
12.5°	250.6	250.0	251.3	252.5	253.8	254.4	254.4	254.4	253.8	253.8	254.4
15°	263.9	262.7	263.3	263.9	264.6	265.2	265.2	264.6	263.3	263.3	263.3
17.5°	281.0	279.2	278.5	277.9	277.9	279.2	280.4	279.8	280.4	279.8	280.4
20°	301.3	300.0	300.0	300.0	300.7	303.2	305.8	307.1	306.4	305.2	307.1
22.5°	314.6	315.3	318.5	317.8	317.2	319.7	322.9	325.4	324.2	322.3	323.5
25°	329.2	329.2	333.7	335.6	333.7	333.7	335.0	336.8	335.6	334.3	335.6
27.5°	345.7	345.7	347.7	349.6	348.3	348.3	350.2	353.4	352.7	352.1	352.7
30°	365.4	362.9	361.0	364.2	367.3	368.0	369.9	374.9	376.2	375.6	376.8
32.5°	383.8	380.0	381.3	383.2	390.2	392.7	392.1	395.9	395.2	393.4	395.9
35°	401.6	406.0	408.5	412.4	414.9	418.1	418.1	425.0	426.3	424.4	426.3
37.5°	435.9	437.7	444.7	445.3	448.5	460.6	461.8	471.4	476.4	473.9	474.5
40°	482.8	482.1	487.3	494.8	501.2	516.4	520.9	527.2	531.6	529.8	532.3
42.5°	520.9	515.8	519.6	536.0	543.1	554.5	560.2	563.4	571.6	569.1	572.3
45°	548.1	550.0	555.1	571.6	576.0	585.6	598.9	604.6	615.3	612.2	614.1
47.5°	574.8	583.7	588.1	595.7	609.6	622.4	638.8	644.5	659.8	658.5	656.6
50°	609.6	616.6	621.7	627.4	646.5	667.4	681.3	683.9	689.0	685.2	691.5
52.5°	647.1	646.5	650.9	666.7	693.4	701.6	713.7	725.1	735.9	739.7	735.9
55°	696.6	680.7	699.1	722.0	733.4	753.0	782.2	798.1	819.0	822.2	815.8
57.5°	716.9	716.9	735.9	749.2	770.2	805.1	836.2	843.8	854.5	848.8	855.2
60°	714.4	738.4	738.4	761.9	796.2	827.3	838.7	851.3	865.9	865.4	865.4
62.5°	717.5	741.0	734.6	775.2	796.2	821.6	846.9	870.4	890.7	890.1	889.4
63°	720.7	741.0	737.2	778.4	795.5	822.8	853.3	876.7	893.3	892.0	892.6
65°	730.2	724.5	747.3	773.3	793.0	833.6	859.0	877.4	888.8	888.1	888.1
67.5°	712.4	699.1	731.5	741.6	779.1	815.2	834.9	855.8	864.1	864.1	862.8
70°	657.9	663.6	685.8	702.3	740.3	772.7	789.2	815.8	826.0	826.0	825.4
72.5°	602.7	612.2	627.4	650.9	687.0	712.4	732.1	756.2	769.5	768.9	768.9
75°	532.3	541.2	558.9	581.1	612.8	637.6	653.4	676.3	691.5	697.2	690.9
77.5°	453.0	455.5	472.0	494.8	522.7	539.9	564.0	586.2	598.9	598.2	596.3
80°	356.6	359.7	373.7	399.7	414.9	435.2	457.4	469.5	480.2	480.2	478.9
82.5°	246.1	253.1	267.1	284.2	300.0	317.8	329.9	342.0	350.9	350.2	348.3
85°	138.9	142.1	155.4	166.2	178.3	189.7	197.9	205.6	213.2	213.2	211.9
87.5°	41.9	37.4	45.0	49.5	55.8	61.5	65.3	72.9	78.1	72.4	72.4
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: P197752

CATALOG NUMBER: TT-C1-LED-E1-WQ-MS/DIM-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	223.3	223.3	223.3	223.3	223.3	223.3	223.3	223.3
2.5°	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3
5°	233.5	234.1	234.1	234.7	234.7	234.7	234.7	234.7
7.5°	236.0	236.0	236.0	236.0	236.7	236.7	236.7	236.7
10°	243.6	244.2	243.6	243.6	242.4	241.7	241.7	241.7
12.5°	254.4	255.0	255.0	253.8	252.5	251.3	250.6	250.0
15°	264.6	266.4	265.2	264.6	263.3	263.9	263.9	264.6
17.5°	280.4	281.0	279.2	277.9	277.2	278.5	279.8	280.4
20°	307.7	306.4	302.6	301.3	300.0	300.0	301.3	301.3
22.5°	324.8	321.7	319.1	317.8	317.8	317.8	315.9	313.4
25°	336.8	335.0	333.1	334.3	335.6	333.7	329.2	328.6
27.5°	353.4	349.6	348.9	348.3	348.9	347.7	347.0	344.5
30°	374.9	369.9	368.6	367.3	363.5	362.3	363.5	365.4
32.5°	395.2	392.1	393.4	390.8	383.8	381.3	382.5	381.9
35°	424.4	418.7	418.7	413.6	411.7	411.1	406.0	401.6
37.5°	470.7	463.1	461.2	449.8	444.7	446.0	439.0	433.9
40°	527.2	521.5	516.4	503.7	496.7	487.8	483.4	483.4
42.5°	564.6	560.8	553.8	544.9	537.3	522.1	516.4	519.6
45°	605.9	600.8	586.2	577.3	570.3	559.5	553.2	546.9
47.5°	647.7	640.8	623.6	612.2	595.7	592.5	585.6	576.7
50°	684.5	682.0	669.9	650.9	629.9	624.9	618.5	610.3
52.5°	729.5	714.4	704.2	695.9	672.4	656.0	647.1	650.9
55°	803.1	784.1	758.1	732.1	727.0	707.4	685.2	697.2
57.5°	845.6	834.9	815.2	774.0	753.7	740.3	725.8	714.9
60°	855.8	836.2	831.7	800.6	768.3	740.3	746.0	720.7
62.5°	875.5	848.8	824.1	799.4	779.7	741.6	740.3	727.0
63°	881.8	855.2	829.2	799.4	781.6	746.0	739.1	732.1
65°	880.5	857.7	838.0	799.4	772.7	758.7	724.5	740.3
67.5°	856.5	837.4	814.6	787.9	743.5	732.7	708.7	711.8
70°	817.7	793.0	771.5	746.7	711.2	686.4	671.9	659.8
72.5°	757.4	735.3	712.4	689.6	657.9	628.1	617.9	604.6
75°	677.6	656.0	635.1	613.5	583.7	557.0	546.2	536.7
77.5°	586.2	567.8	538.0	517.7	500.6	472.0	461.8	451.7
80°	467.5	458.7	437.1	410.5	401.6	373.7	366.0	352.7
82.5°	340.0	331.1	314.0	295.6	284.9	270.3	257.5	248.7
85°	207.5	197.9	189.0	172.5	166.2	155.4	145.3	140.2
87.5°	74.9	67.2	60.3	52.6	48.9	41.2	40.0	36.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)