

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: P197824

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)
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-CG-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3137.9 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

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



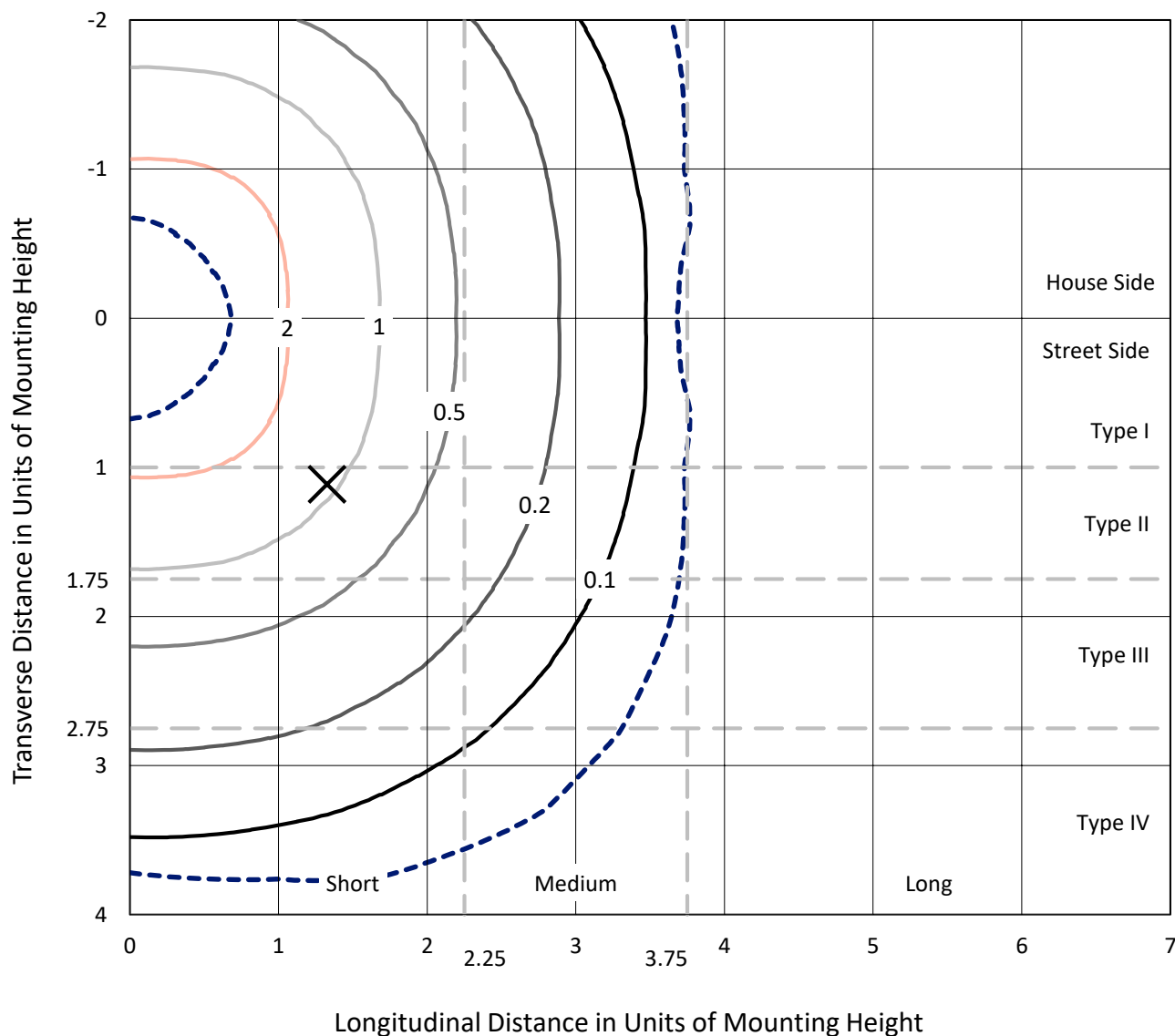
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

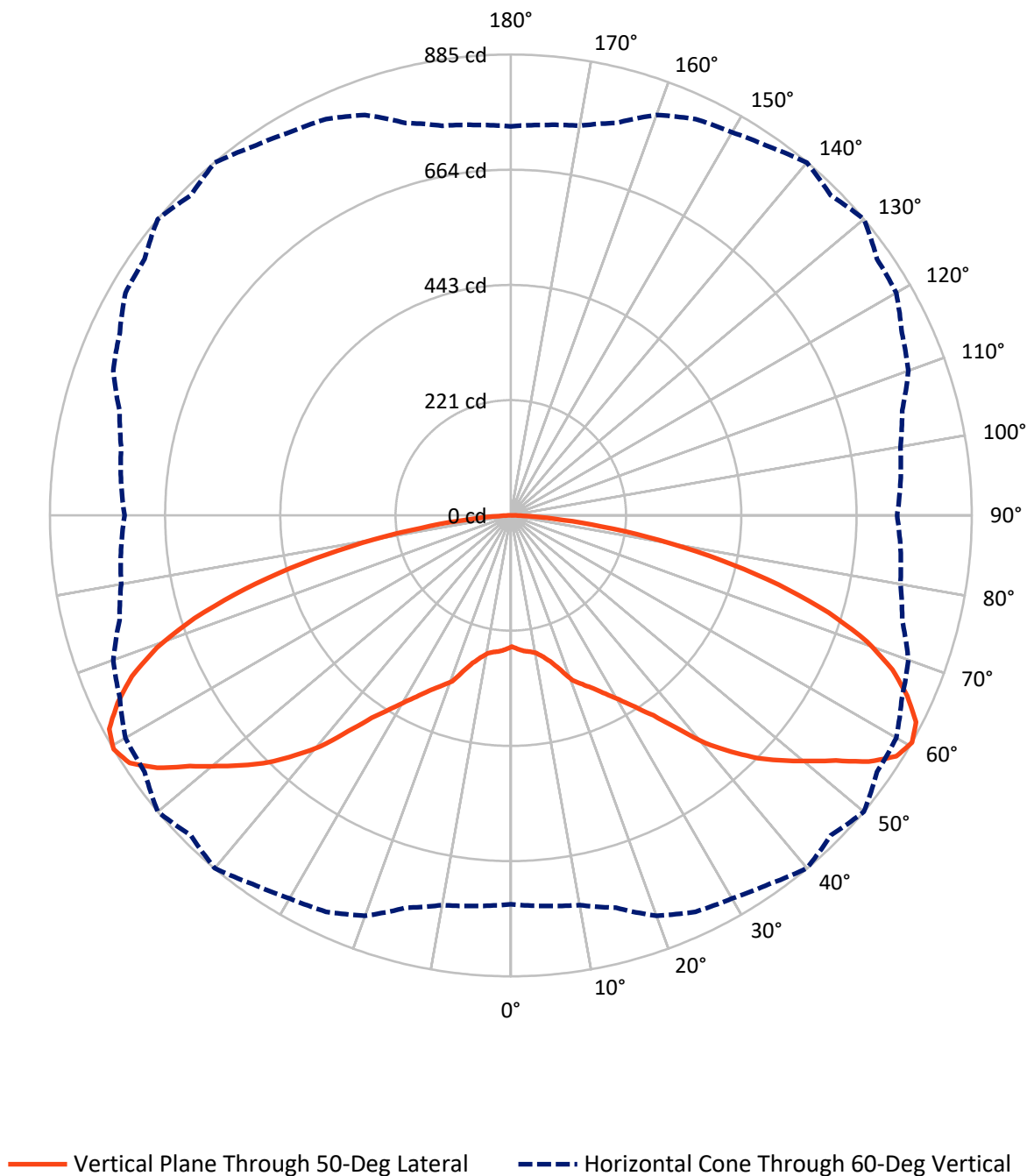


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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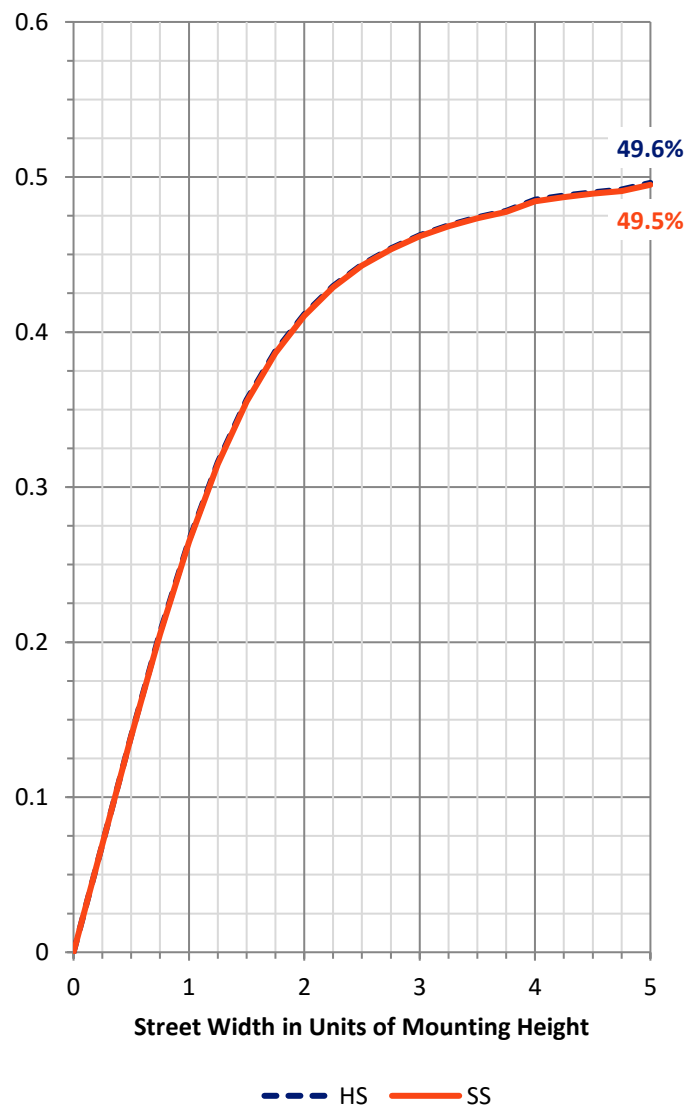
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1568.9	0.0	1568.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1568.9	0.0	1568.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3137.9	0.0	3137.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	0.8
10°-20°	84.7	2.7
20°-30°	170.9	5.4
30°-40°	295.4	9.4
40°-50°	490.7	15.6
50°-60°	697.3	22.2
60°-70°	761.7	24.3
70°-80°	506.0	16.1
80°-90°	106.2	3.4
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°	3137.9	100.0
0°-180°	3137.9	100.0

Coefficient of Utilization



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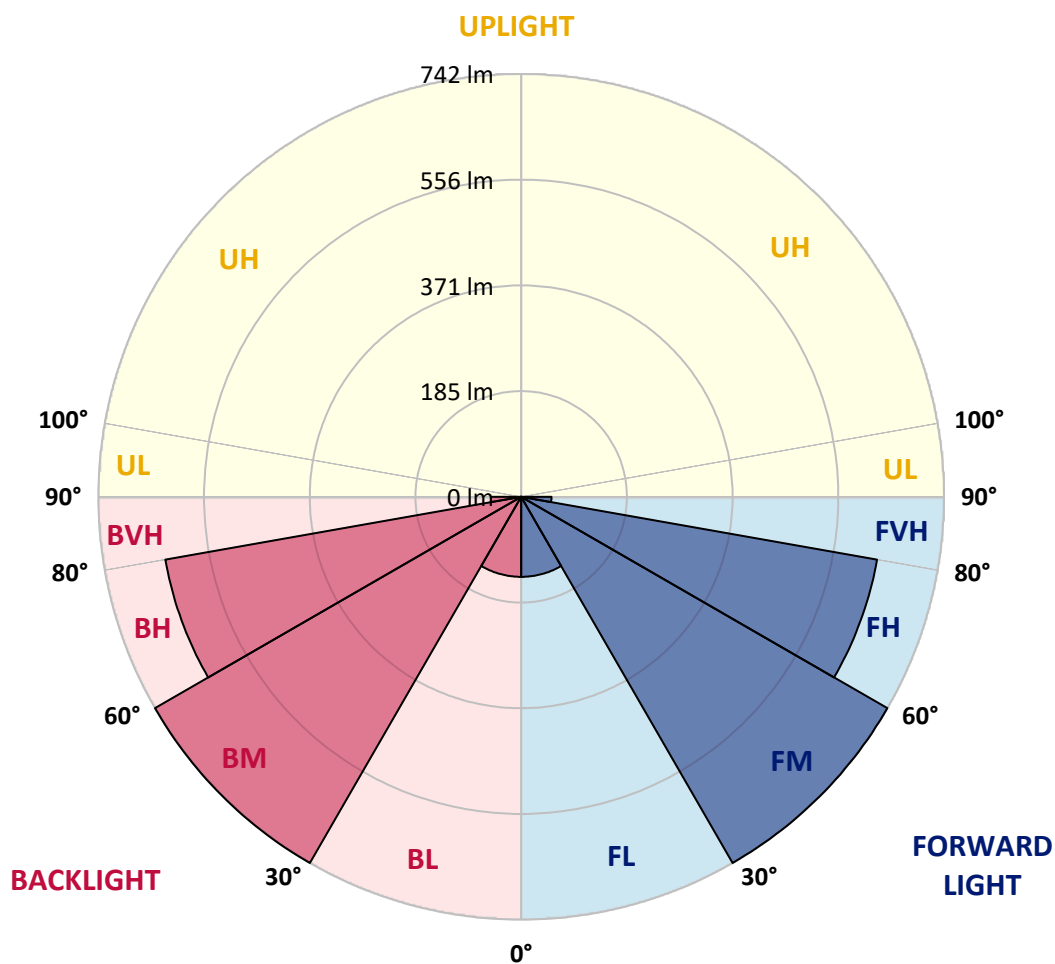
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.3	4.5			
FM	(30°-60°)	741.7	23.6			
FH	(60°-80°)	633.8	20.2			G0/660
FVH	(80°-90°)	53.1	1.7			G1/100
BL	(0°-30°)	140.3	4.5	B1/500		
BM	(30°-60°)	741.7	23.6	B1/1000		
BH	(60°-80°)	633.8	20.2	B2/1000		G0/660
BVH	(80°-90°)	53.1	1.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
2.5°	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	256.3	257.0	257.0
5°	259.6	259.6	259.6	260.2	260.2	260.2	260.9	260.9	260.9	261.5	261.5
7.5°	261.5	261.5	261.5	261.5	262.2	262.2	262.2	262.8	262.8	263.4	264.1
10°	269.9	269.9	269.9	269.9	269.9	269.3	269.3	269.3	268.6	268.6	268.6
12.5°	280.3	281.0	281.6	281.6	281.6	281.6	280.3	279.0	279.0	279.0	279.0
15°	290.1	290.7	291.4	292.6	293.3	293.9	293.9	293.9	293.9	293.9	292.6
17.5°	305.6	306.3	306.3	306.9	307.6	307.6	308.2	310.2	312.8	314.1	312.8
20°	329.6	330.9	331.6	331.6	332.2	331.6	332.9	334.2	336.1	337.4	338.1
22.5°	347.2	348.5	350.4	350.4	350.4	349.8	351.0	351.7	351.0	351.0	352.3
25°	360.8	362.1	363.4	364.0	365.3	367.9	370.5	370.5	368.6	367.9	367.9
27.5°	378.3	380.2	380.2	380.9	382.2	384.1	386.7	388.7	390.0	388.7	388.0
30°	401.0	402.3	403.0	402.3	404.9	405.6	406.2	407.5	411.4	414.0	410.7
32.5°	418.5	420.5	422.4	425.0	430.9	433.5	432.8	434.1	435.4	438.0	438.6
35°	445.1	448.4	449.0	451.0	458.1	462.0	467.8	471.1	470.4	467.2	471.7
37.5°	485.4	489.3	489.9	493.2	500.3	503.5	510.0	518.5	520.4	515.9	518.5
40°	527.5	532.7	537.3	544.4	556.1	560.0	567.8	572.3	578.8	579.5	574.9
42.5°	563.2	569.1	569.1	581.4	594.4	605.4	615.1	615.8	620.3	626.8	620.3
45°	601.5	606.1	608.0	618.4	626.2	640.5	654.7	659.9	661.9	663.2	665.1
47.5°	636.6	642.4	644.3	653.4	661.9	674.8	683.9	699.5	703.4	698.2	703.4
50°	658.6	665.1	670.3	689.1	704.0	715.1	722.9	736.5	744.3	740.4	741.0
52.5°	693.0	695.0	700.2	710.5	731.9	761.8	770.9	775.4	786.5	792.3	781.9
55°	739.7	746.2	750.1	762.4	773.5	794.9	829.3	836.4	833.8	852.0	834.5
57.5°	747.5	757.3	769.6	792.9	812.4	824.1	845.5	870.2	869.5	872.1	872.8
60°	746.9	752.7	759.8	780.0	818.2	839.7	849.4	864.3	884.4	868.9	885.1
62.5°	742.3	750.8	758.6	772.8	793.6	824.1	851.3	849.4	876.6	864.3	873.4
65°	715.1	722.9	737.1	756.0	781.3	795.5	822.8	840.3	836.4	853.3	836.4
67.5°	667.7	674.8	686.5	708.6	735.2	756.0	765.7	794.9	791.6	810.5	790.3
70°	602.8	611.9	625.5	641.1	667.1	689.1	700.2	719.0	728.1	726.8	725.5
72.5°	525.0	532.7	543.8	560.6	582.7	604.1	612.6	626.8	641.8	637.2	638.5
75°	438.0	444.5	452.9	463.3	484.1	500.9	510.7	523.7	535.3	532.1	530.8
77.5°	337.4	345.2	354.3	364.0	372.5	388.0	395.2	404.3	414.0	412.0	412.7
80°	236.2	242.7	248.5	258.9	265.4	270.6	278.4	282.3	289.4	288.1	290.1
82.5°	144.1	148.6	152.5	157.7	163.5	162.2	162.9	167.4	173.3	170.0	175.2
85°	70.7	70.1	74.0	75.3	79.2	78.5	77.9	80.5	83.7	81.8	81.8
87.5°	18.2	18.2	18.2	18.8	20.8	22.7	20.8	22.1	23.4	24.0	23.4
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°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
2.5°	256.3	257.0	256.3	257.0	257.0	257.0	257.0	256.3
5°	261.5	260.9	260.9	260.9	260.2	259.6	259.6	259.6
7.5°	264.1	264.1	263.4	262.8	262.2	262.2	263.4	262.8
10°	269.9	270.6	271.2	271.9	271.2	270.6	270.6	269.9
12.5°	279.0	279.7	281.0	282.3	282.3	281.6	280.3	279.7
15°	292.0	291.4	292.0	293.3	293.3	291.4	289.4	288.8
17.5°	310.2	308.2	306.9	306.9	308.2	306.3	304.3	305.0
20°	335.5	332.2	331.6	329.6	331.6	331.6	328.3	328.3
22.5°	353.6	351.0	348.5	346.5	349.1	350.4	347.2	344.6
25°	370.5	369.9	366.0	364.0	364.0	364.7	360.1	360.8
27.5°	387.4	387.4	384.8	381.5	380.2	382.2	378.3	377.0
30°	407.5	405.6	407.5	403.0	399.7	401.7	401.7	399.1
32.5°	433.5	430.9	432.8	427.6	423.1	422.4	419.2	415.3
35°	470.4	464.0	460.7	458.1	449.0	448.4	447.7	444.5
37.5°	517.2	508.7	501.6	502.2	489.3	486.0	486.0	481.5
40°	573.0	567.8	557.4	553.5	540.5	532.1	531.4	523.0
42.5°	611.9	613.8	600.2	591.1	580.8	567.8	568.4	559.3
45°	654.7	650.8	638.5	623.6	619.0	604.8	605.4	596.3
47.5°	695.6	681.3	674.8	658.6	651.5	635.3	637.2	630.7
50°	735.8	720.3	713.1	695.6	683.9	667.1	665.1	651.5
52.5°	778.7	763.7	754.0	728.7	713.1	700.2	695.0	688.5
55°	834.5	819.5	795.5	770.9	759.2	739.1	737.1	728.7
57.5°	859.1	847.4	822.1	805.9	782.6	761.8	754.0	737.8
60°	858.5	854.6	828.6	812.4	778.0	759.8	751.4	741.7
62.5°	851.3	846.8	816.3	798.1	767.0	751.4	744.9	732.6
65°	837.1	821.5	794.2	779.3	745.6	731.9	717.7	706.6
67.5°	796.8	764.4	752.1	733.2	700.2	685.9	672.2	661.2
70°	721.6	697.6	686.5	663.2	634.6	625.5	608.7	596.3
72.5°	625.5	612.6	600.9	575.6	555.4	546.4	529.5	519.1
75°	519.1	511.3	495.1	476.3	458.1	454.9	436.7	432.8
77.5°	403.0	395.8	382.8	369.2	360.8	354.3	338.1	336.8
80°	282.3	277.7	267.3	261.5	255.7	249.8	238.8	237.5
82.5°	166.8	163.5	164.2	158.3	155.1	153.8	145.4	146.0
85°	80.5	77.9	77.9	77.9	74.6	74.0	68.8	69.4
87.5°	23.4	20.8	20.8	20.8	19.5	19.5	16.9	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)