

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: P197895

Luminaire Tested: **TT-C1-LED-E1-WQ-SG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115558)
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-SG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3173.4 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - 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

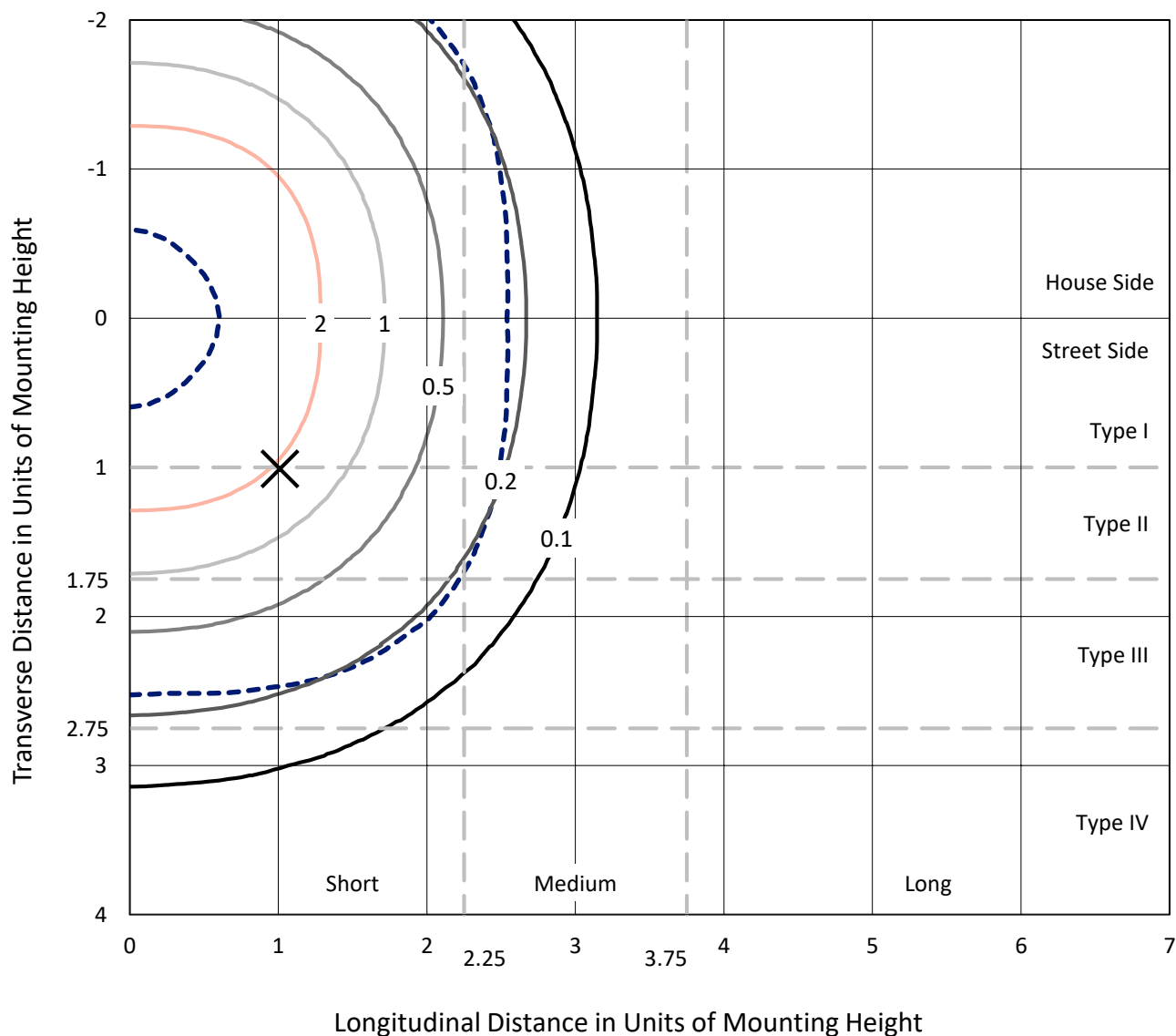


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

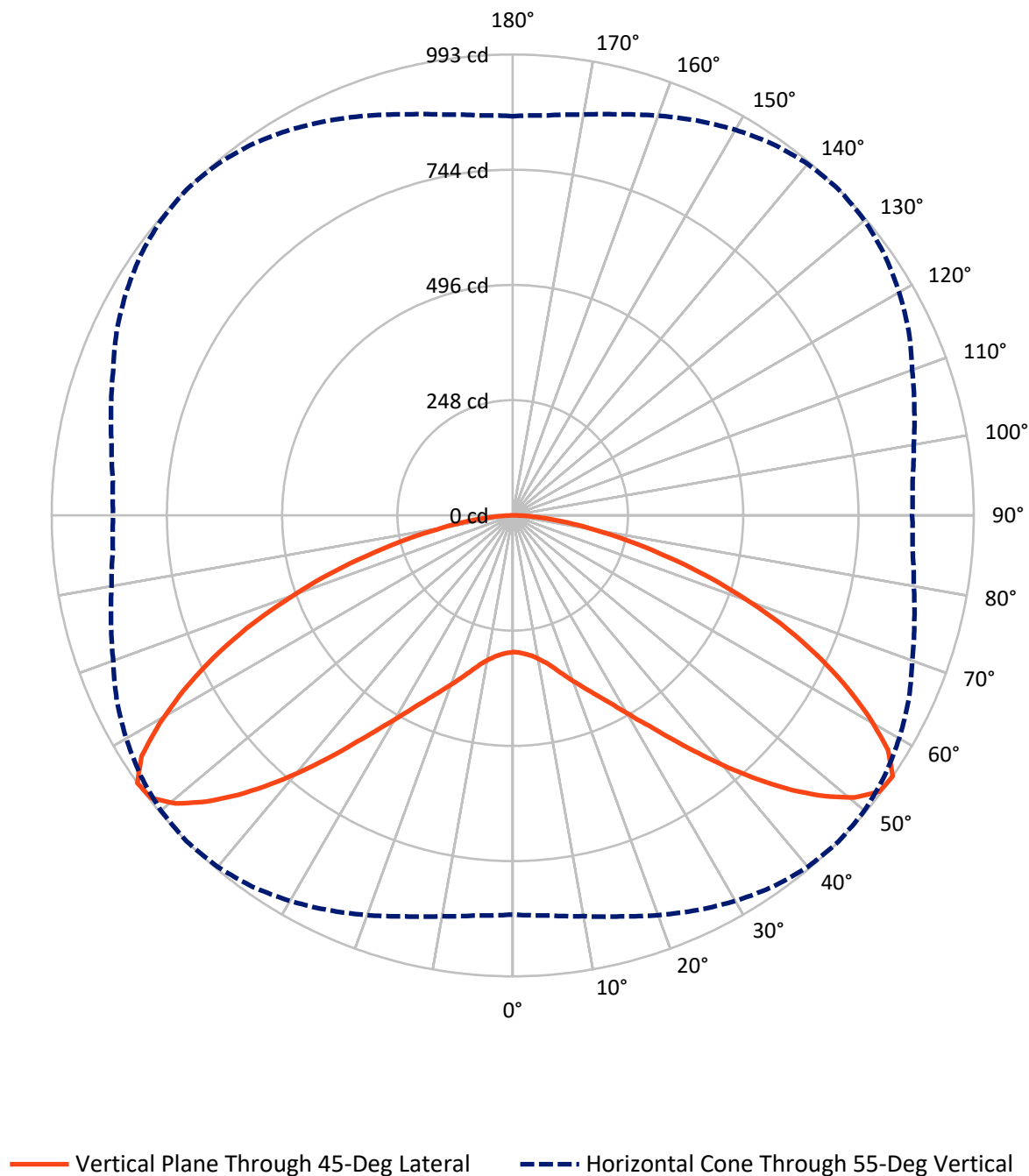


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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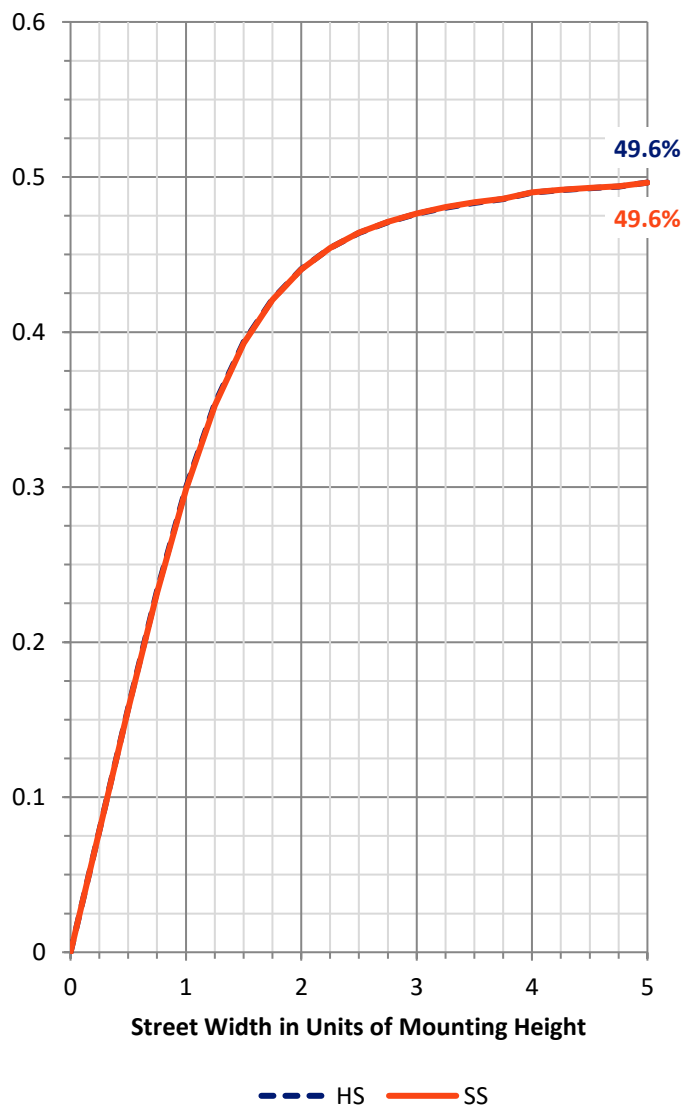
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1586.7	0.0	1586.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1586.7	0.0	1586.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3173.4	0.0	3173.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	0.9
10°-20°	98.5	3.1
20°-30°	200.6	6.3
30°-40°	366.3	11.5
40°-50°	622.0	19.6
50°-60°	810.1	25.5
60°-70°	655.2	20.6
70°-80°	322.0	10.1
80°-90°	69.7	2.2
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°	3173.4	100.0
0°-180°	3173.4	100.0

Coefficient of Utilization



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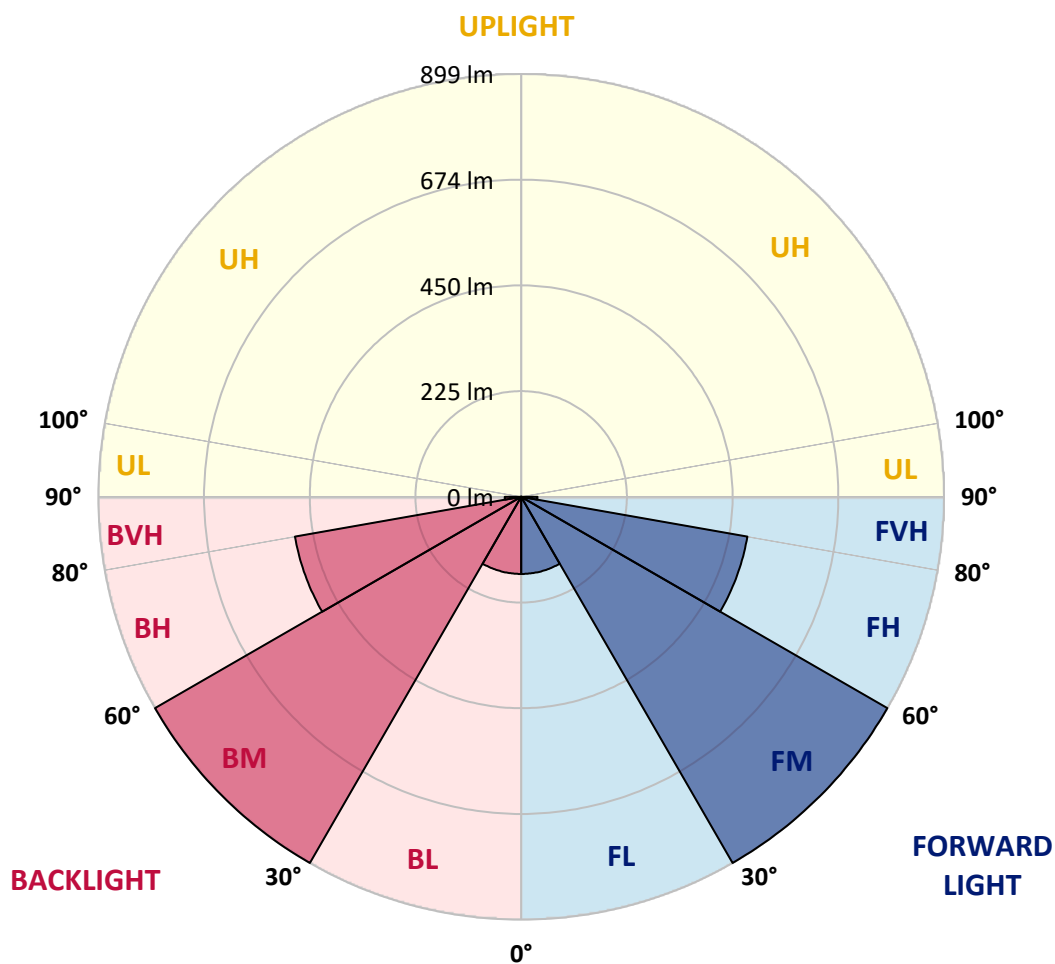
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.1	5.2			
FM	(30°-60°)	899.2	28.3			
FH	(60°-80°)	488.6	15.4			G0/660
FVH	(80°-90°)	34.8	1.1			G1/100
BL	(0°-30°)	164.1	5.2	B1/500		
BM	(30°-60°)	899.2	28.3	B1/1000		
BH	(60°-80°)	488.6	15.4	B1/500		G0/660
BVH	(80°-90°)	34.8	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1
2.5°	295.3	295.3	295.3	295.3	295.3	295.3	296.0	296.0	296.0	296.0	296.0
5°	299.2	299.2	299.2	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9
7.5°	305.1	304.4	305.1	305.1	305.1	305.7	305.7	305.1	305.7	305.7	305.7
10°	313.5	312.8	313.5	313.5	313.5	314.2	314.2	314.2	314.2	314.8	314.8
12.5°	325.9	325.2	325.9	326.5	325.9	326.5	326.5	326.5	326.5	326.5	326.5
15°	341.5	340.8	341.5	342.1	341.5	342.7	342.7	342.1	342.1	342.7	342.7
17.5°	360.2	359.0	359.6	360.2	360.2	361.6	361.6	360.9	361.6	362.2	361.6
20°	379.7	378.4	379.1	381.0	381.0	381.7	383.0	382.4	383.0	383.6	383.0
22.5°	401.1	400.5	401.1	403.1	403.1	403.7	405.7	405.7	405.7	406.3	405.7
25°	424.5	423.8	424.5	426.4	426.4	427.8	430.4	430.4	431.0	431.7	431.0
27.5°	451.8	451.1	452.4	454.4	455.1	457.0	460.2	460.9	461.5	462.2	460.9
30°	483.6	482.3	484.2	487.5	488.8	491.4	495.3	496.5	497.2	499.1	497.9
32.5°	519.9	518.7	521.2	525.1	527.1	530.9	536.2	537.4	539.4	540.7	538.8
35°	562.7	562.1	564.7	570.6	573.8	578.3	585.5	587.4	588.8	591.4	588.8
37.5°	610.1	609.5	614.1	620.6	626.4	633.5	641.3	644.5	646.5	649.8	646.5
40°	662.7	662.1	667.9	675.7	682.8	691.9	701.7	706.2	710.1	713.4	709.5
42.5°	716.6	716.6	723.7	732.2	742.6	753.6	764.6	769.8	776.3	778.3	773.7
45°	768.6	769.2	776.3	786.7	801.6	815.9	828.2	834.8	841.9	843.8	838.0
47.5°	817.9	818.6	825.0	838.7	855.5	871.7	886.7	895.8	902.9	903.5	899.0
50°	858.1	860.7	869.1	881.5	899.0	915.9	934.1	945.8	952.9	954.9	950.3
52.5°	873.7	878.2	888.0	903.5	923.7	941.2	961.3	976.2	984.7	987.9	984.1
55°	859.4	864.6	876.3	893.8	915.9	937.9	958.7	976.2	987.9	992.5	988.6
57.5°	827.6	828.2	839.9	857.5	877.6	900.3	920.4	936.7	947.7	952.3	951.6
60°	772.4	772.4	783.5	800.4	815.9	839.3	856.2	868.5	876.3	881.5	880.2
62.5°	698.4	698.4	708.1	725.7	741.3	761.4	777.7	790.6	795.8	801.6	803.0
65°	616.0	616.0	625.1	642.6	656.9	675.1	690.6	703.0	708.1	715.3	714.0
67.5°	528.4	527.8	536.2	551.1	564.7	581.6	596.5	608.2	614.1	622.5	616.7
70°	438.1	438.1	445.3	457.0	466.7	483.6	497.9	509.6	514.1	521.2	518.0
72.5°	352.5	351.8	357.7	366.8	374.5	389.5	397.9	410.9	414.8	424.5	419.3
75°	275.2	273.9	278.5	285.0	290.1	299.9	306.4	316.8	320.0	326.5	323.9
77.5°	207.1	206.4	208.3	212.9	216.8	224.6	227.2	232.4	235.0	241.5	236.3
80°	148.7	146.7	148.7	151.2	152.6	158.4	159.0	161.0	162.3	166.8	161.6
82.5°	100.0	97.4	98.7	100.6	100.6	103.8	104.5	103.8	106.4	107.8	105.2
85°	57.1	55.2	55.8	57.1	56.5	58.4	58.4	57.8	59.7	59.7	58.4
87.5°	18.9	17.5	18.2	18.9	18.9	19.5	20.1	19.5	20.8	20.8	19.5
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°	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1
2.5°	296.0	296.0	296.0	296.0	296.0	296.0	296.0	296.0
5°	299.9	299.9	299.9	299.9	299.9	299.2	299.2	299.2
7.5°	305.7	305.7	305.7	305.7	305.7	305.1	305.1	305.1
10°	314.8	314.2	314.2	314.2	314.2	313.5	314.2	313.5
12.5°	326.5	327.1	327.1	326.5	327.1	325.9	325.9	325.9
15°	342.7	342.1	342.1	342.1	342.1	341.5	341.5	341.5
17.5°	360.9	360.9	360.2	360.2	359.6	359.0	359.0	359.0
20°	382.4	381.7	381.0	380.4	379.7	378.4	377.8	377.8
22.5°	404.4	403.7	403.1	402.5	401.8	400.5	399.2	399.2
25°	429.0	427.8	427.1	425.8	424.5	423.2	422.6	421.9
27.5°	458.9	457.6	455.7	453.7	451.1	450.5	449.2	449.2
30°	494.6	492.7	490.0	486.9	484.2	481.6	480.3	479.7
32.5°	536.2	533.6	529.0	525.1	520.6	518.0	516.1	514.7
35°	584.9	580.9	575.8	569.9	564.1	559.6	556.3	556.3
37.5°	641.9	636.1	628.3	621.2	612.7	607.6	603.6	601.1
40°	704.3	695.9	686.1	677.0	667.3	660.1	654.3	655.0
42.5°	766.0	758.8	747.1	736.1	723.7	714.0	706.9	706.2
45°	830.8	821.7	807.5	793.2	778.9	767.2	758.8	757.5
47.5°	891.2	881.5	864.6	847.1	831.5	818.6	809.5	808.1
50°	940.6	928.9	911.4	892.5	875.7	861.4	851.6	849.0
52.5°	972.4	959.4	940.6	917.8	899.7	883.4	871.7	868.5
55°	977.6	960.7	940.6	915.2	895.1	876.9	864.0	860.0
57.5°	941.8	923.7	905.5	883.4	863.3	843.8	833.4	828.2
60°	872.4	858.1	843.2	823.1	806.9	788.7	780.2	777.7
62.5°	792.5	780.2	766.6	745.9	732.2	716.0	708.1	705.0
65°	706.9	692.6	679.6	662.7	647.8	634.2	623.2	621.8
67.5°	612.1	597.2	586.1	571.2	556.3	543.3	536.2	532.3
70°	512.2	499.8	488.8	472.5	462.8	450.5	445.3	441.4
72.5°	412.8	405.7	392.0	381.7	370.7	360.9	357.7	353.7
75°	319.3	310.9	300.6	294.1	285.6	280.4	277.8	275.2
77.5°	234.3	227.2	221.4	218.8	214.8	209.7	207.7	205.8
80°	162.3	159.0	155.2	154.5	151.9	148.0	147.3	146.7
82.5°	105.2	103.2	101.9	101.9	100.6	98.0	97.4	97.4
85°	58.4	57.8	58.4	57.8	56.5	55.2	55.2	55.2
87.5°	19.5	19.5	20.1	20.8	18.9	18.9	18.2	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)