

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: P197822

Luminaire Tested: **TT-C1-LED-E1-5WQ-PM-CG-MS/DIM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197822  
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-E1-5WQ-PM-CG-MS/DIM  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR  
Light Source: (168) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3389.1 lumens  
Efficiency: N/A  
Efficacy: 121.0 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

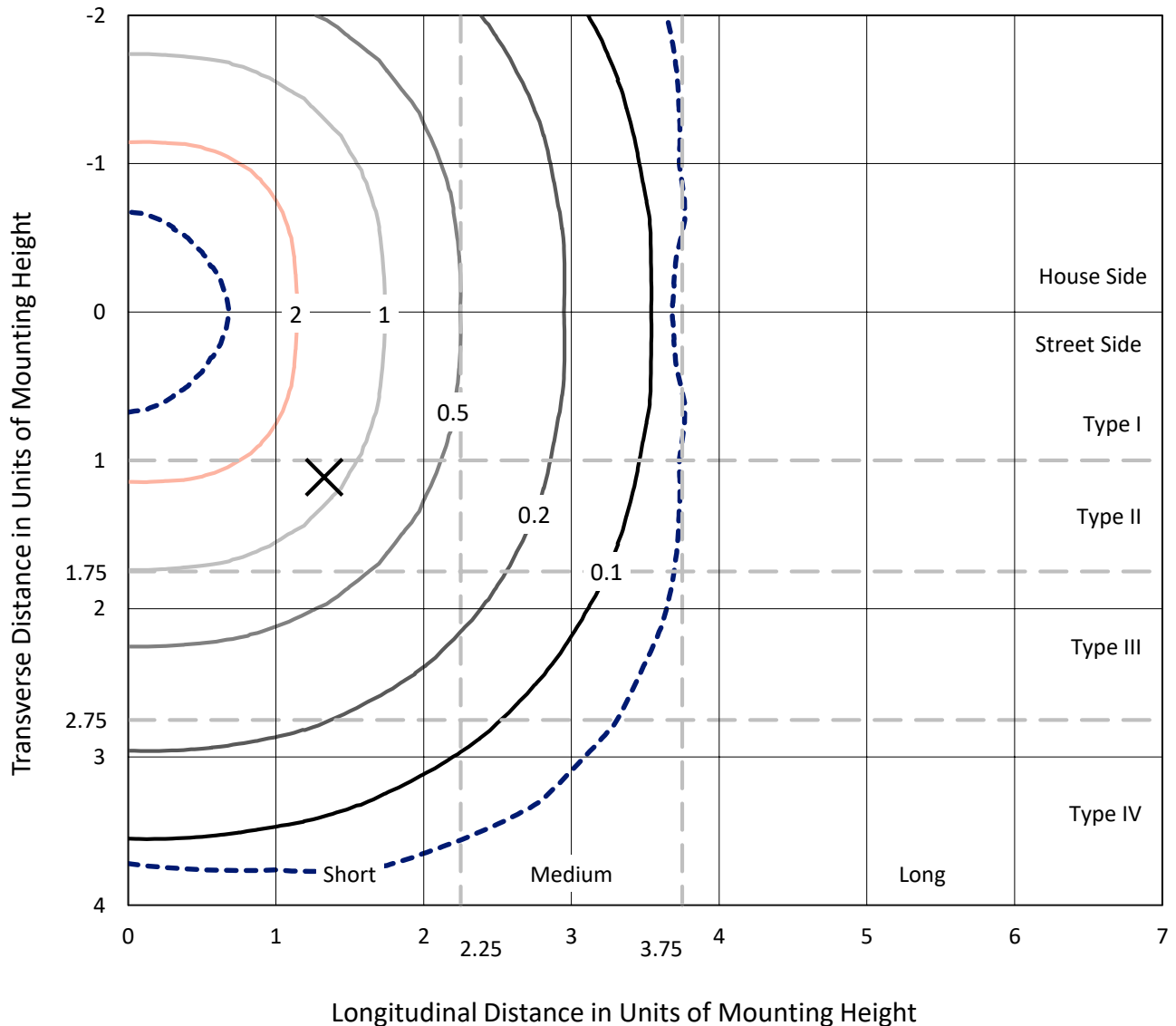


REPORT NUMBER: P197822

CATALOG NUMBER: TT-C1-LED-E1-5WQ-PM-CG-MS/DIM

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

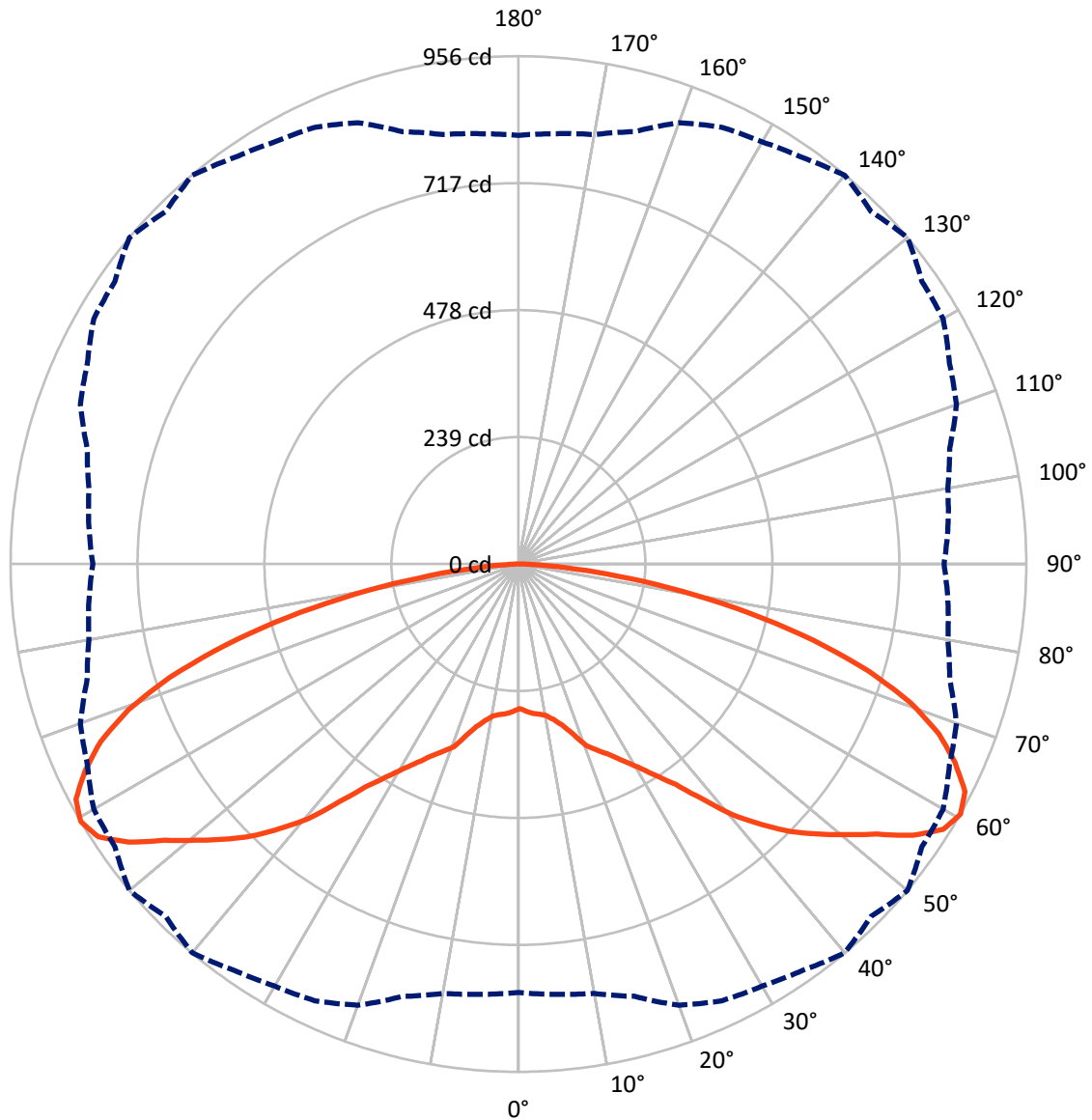


Based on 10 foot mounting height. Maximum calculated value = 3 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P197822

CATALOG NUMBER: TT-C1-LED-E1-5WQ-PM-CG-MS/DIM

### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P197822

CATALOG NUMBER: TT-C1-LED-E1-5WQ-PM-CG-MS/DIM

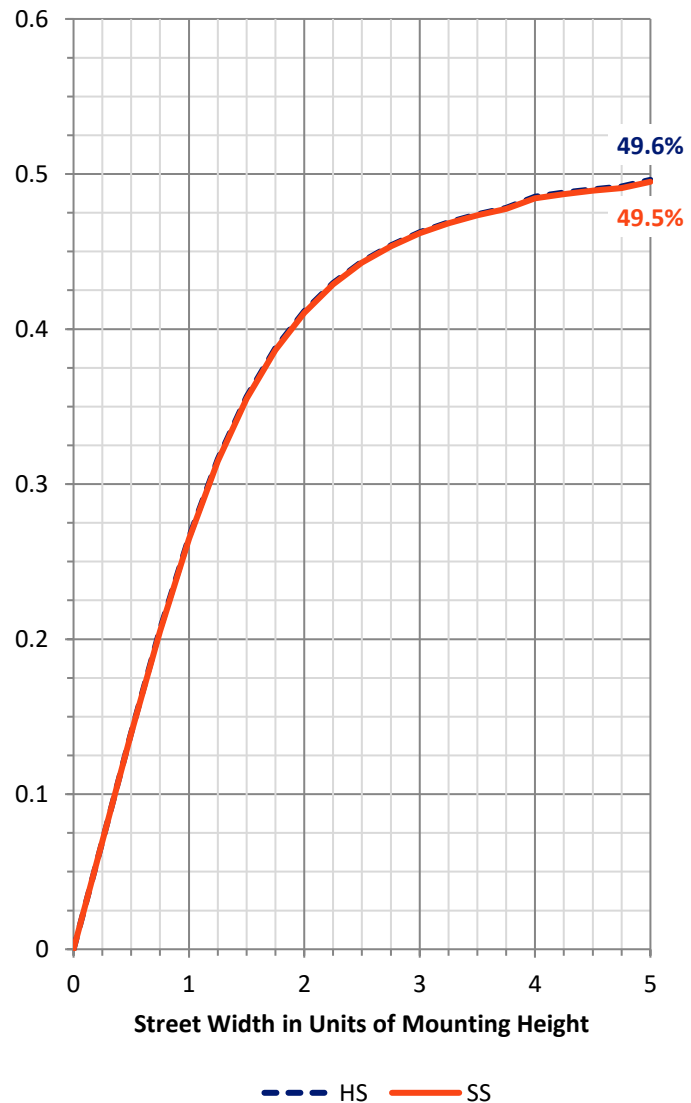
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1694.5	0.0	1694.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1694.5	0.0	1694.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3389.1	0.0	3389.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.1	0.8
10°-20°	91.4	2.7
20°-30°	184.6	5.4
30°-40°	319.1	9.4
40°-50°	529.9	15.6
50°-60°	753.1	22.2
60°-70°	822.6	24.3
70°-80°	546.5	16.1
80°-90°	114.7	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°	3389.1	100.0
0°-180°	3389.1	100.0



REPORT NUMBER: P197822

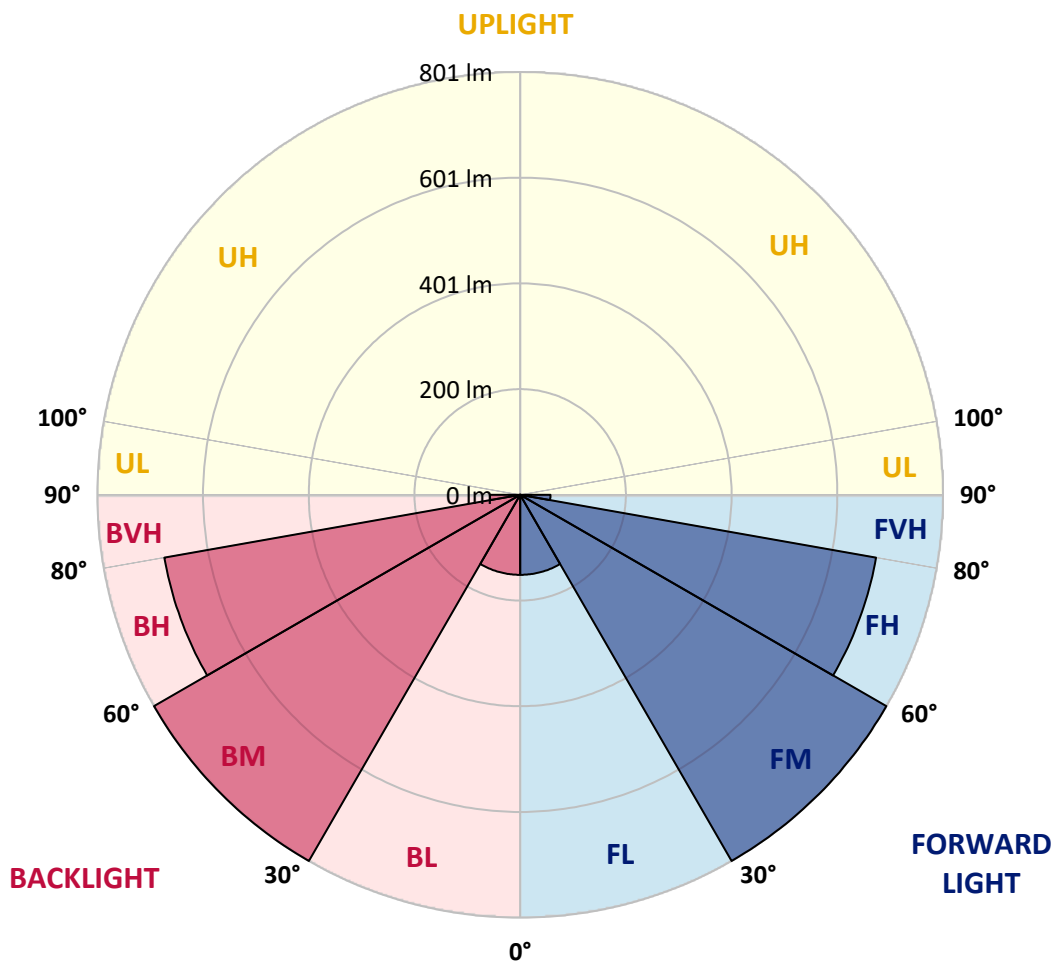
CATALOG NUMBER: TT-C1-LED-E1-5WQ-PM-CG-MS/DIM

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.6	4.5			
FM (30°-60°)	801.1	23.6			
FH (60°-80°)	684.6	20.2			G1/1800
FVH (80°-90°)	57.4	1.7			G1/100
BL (0°-30°)	151.6	4.5	B1/500		
BM (30°-60°)	801.1	23.6	B1/1000		
BH (60°-80°)	684.6	20.2	B2/1000		G1/1800
BVH (80°-90°)	57.4	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





REPORT NUMBER: P197822

CATALOG NUMBER: TT-C1-LED-E1-5WQ-PM-CG-MS/DIM

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9
2.5°	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	276.8	277.5	277.5
5°	280.3	280.3	280.3	281.0	281.0	281.0	281.7	281.7	281.7	282.4	282.4
7.5°	282.4	282.4	282.4	282.4	283.1	283.1	283.1	283.8	283.8	284.5	285.2
10°	291.5	291.5	291.5	291.5	291.5	290.8	290.8	290.8	290.1	290.1	290.1
12.5°	302.8	303.5	304.2	304.2	304.2	304.2	302.8	301.4	301.4	301.4	301.4
15°	313.3	314.0	314.7	316.1	316.8	317.5	317.5	317.5	317.5	317.5	316.1
17.5°	330.1	330.8	330.8	331.5	332.2	332.2	332.9	335.0	337.8	339.2	337.8
20°	356.0	357.4	358.1	358.1	358.8	358.1	359.5	360.9	363.0	364.4	365.1
22.5°	374.9	376.4	378.5	378.5	378.5	377.8	379.2	379.9	379.2	379.2	380.6
25°	389.7	391.1	392.5	393.2	394.6	397.4	400.2	400.2	398.1	397.4	397.4
27.5°	408.6	410.7	410.7	411.4	412.8	414.9	417.7	419.8	421.2	419.8	419.1
30°	433.1	434.5	435.2	434.5	437.3	438.0	438.7	440.1	444.3	447.1	443.6
32.5°	452.0	454.1	456.2	459.0	465.4	468.2	467.5	468.9	470.3	473.1	473.8
35°	480.8	484.3	485.0	487.1	494.8	499.0	505.3	508.8	508.1	504.6	509.5
37.5°	524.2	528.4	529.1	532.6	540.3	543.9	550.9	560.0	562.1	557.2	560.0
40°	569.8	575.4	580.3	588.0	600.6	604.8	613.2	618.1	625.1	625.8	620.9
42.5°	608.3	614.6	614.6	628.0	642.0	653.9	664.4	665.1	670.0	677.0	670.0
45°	649.7	654.6	656.7	667.9	676.3	691.7	707.1	712.8	714.9	716.3	718.4
47.5°	687.5	693.8	695.9	705.7	714.9	728.9	738.7	755.5	759.7	754.1	759.7
50°	711.4	718.4	724.0	744.3	760.4	772.3	780.7	795.5	803.9	799.7	800.4
52.5°	748.5	750.6	756.2	767.4	790.5	822.8	832.6	837.5	849.4	855.7	844.5
55°	799.0	806.0	810.2	823.5	835.4	858.5	895.7	903.4	900.6	920.2	901.3
57.5°	807.4	817.9	831.2	856.4	877.4	890.1	913.2	939.8	939.1	941.9	942.6
60°	806.7	813.0	820.7	842.4	883.8	906.9	917.4	933.5	955.2	938.4	955.9
62.5°	801.8	810.9	819.3	834.7	857.1	890.1	919.5	917.4	946.8	933.5	943.3
65°	772.3	780.7	796.2	816.5	843.8	859.2	888.7	907.6	903.4	921.6	903.4
67.5°	721.2	728.9	741.5	765.3	794.0	816.5	827.0	858.5	855.0	875.3	853.6
70°	651.1	660.9	675.6	692.4	720.5	744.3	756.2	776.5	786.3	784.9	783.5
72.5°	567.0	575.4	587.3	605.5	629.4	652.5	661.6	677.0	693.1	688.2	689.6
75°	473.1	480.1	489.2	500.4	522.8	541.0	551.6	565.6	578.2	574.7	573.3
77.5°	364.4	372.8	382.7	393.2	402.3	419.1	426.8	436.6	447.1	445.0	445.7
80°	255.1	262.1	268.4	279.6	286.6	292.2	300.7	304.9	312.6	311.2	313.3
82.5°	155.6	160.5	164.7	170.3	176.6	175.2	175.9	180.8	187.1	183.6	189.2
85°	76.4	75.7	79.9	81.3	85.5	84.8	84.1	86.9	90.4	88.3	88.3
87.5°	19.6	19.6	19.6	20.3	22.4	24.5	22.4	23.8	25.2	25.9	25.2
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: P197822

CATALOG NUMBER: TT-C1-LED-E1-5WQ-PM-CG-MS/DIM

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9
2.5°	276.8	277.5	276.8	277.5	277.5	277.5	277.5	276.8
5°	282.4	281.7	281.7	281.7	281.0	280.3	280.3	280.3
7.5°	285.2	285.2	284.5	283.8	283.1	283.1	284.5	283.8
10°	291.5	292.2	293.0	293.7	293.0	292.2	292.2	291.5
12.5°	301.4	302.1	303.5	304.9	304.9	304.2	302.8	302.1
15°	315.4	314.7	315.4	316.8	316.8	314.7	312.6	311.9
17.5°	335.0	332.9	331.5	331.5	332.9	330.8	328.7	329.4
20°	362.3	358.8	358.1	356.0	358.1	358.1	354.6	354.6
22.5°	382.0	379.2	376.4	374.2	377.1	378.5	374.9	372.1
25°	400.2	399.5	395.3	393.2	393.2	393.9	389.0	389.7
27.5°	418.4	418.4	415.6	412.1	410.7	412.8	408.6	407.2
30°	440.1	438.0	440.1	435.2	431.7	433.8	433.8	431.0
32.5°	468.2	465.4	467.5	461.9	456.9	456.2	452.7	448.5
35°	508.1	501.1	497.6	494.8	485.0	484.3	483.6	480.1
37.5°	558.6	549.5	541.7	542.4	528.4	524.9	524.9	520.0
40°	618.8	613.2	602.0	597.8	583.8	574.7	574.0	564.9
42.5°	660.9	663.0	648.3	638.5	627.3	613.2	613.9	604.1
45°	707.1	702.9	689.6	673.5	668.6	653.2	653.9	644.1
47.5°	751.3	735.9	728.9	711.4	703.6	686.1	688.2	681.2
50°	794.8	777.9	770.2	751.3	738.7	720.5	718.4	703.6
52.5°	841.0	824.9	814.4	787.0	770.2	756.2	750.6	743.6
55°	901.3	885.2	859.2	832.6	820.0	798.3	796.2	787.0
57.5°	927.9	915.3	888.0	870.4	845.2	822.8	814.4	796.9
60°	927.2	923.0	895.0	877.4	840.3	820.7	811.6	801.1
62.5°	919.5	914.6	881.7	862.0	828.4	811.6	804.6	791.2
65°	904.1	887.3	857.8	841.7	805.3	790.5	775.1	763.2
67.5°	860.6	825.6	812.3	791.9	756.2	740.8	726.1	714.2
70°	779.3	753.4	741.5	716.3	685.4	675.6	657.4	644.1
72.5°	675.6	661.6	649.0	621.6	599.9	590.1	571.9	560.7
75°	560.7	552.3	534.7	514.4	494.8	491.3	471.7	467.5
77.5°	435.2	427.5	413.5	398.8	389.7	382.7	365.1	363.7
80°	304.9	300.0	288.7	282.4	276.1	269.8	257.9	256.5
82.5°	180.1	176.6	177.3	171.0	167.5	166.1	157.0	157.7
85°	86.9	84.1	84.1	84.1	80.6	79.9	74.3	75.0
87.5°	25.2	22.4	22.4	22.4	21.0	21.0	18.2	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)