

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: P197827

Luminaire Tested: **TT-C2-LED-E1-5WQ-PM-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197827
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-C2-LED-E1-5WQ-PM-CG-MS/DIM-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR 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: 3896.6 lumens
Efficiency: N/A
Efficacy: 114.6 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): 34
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

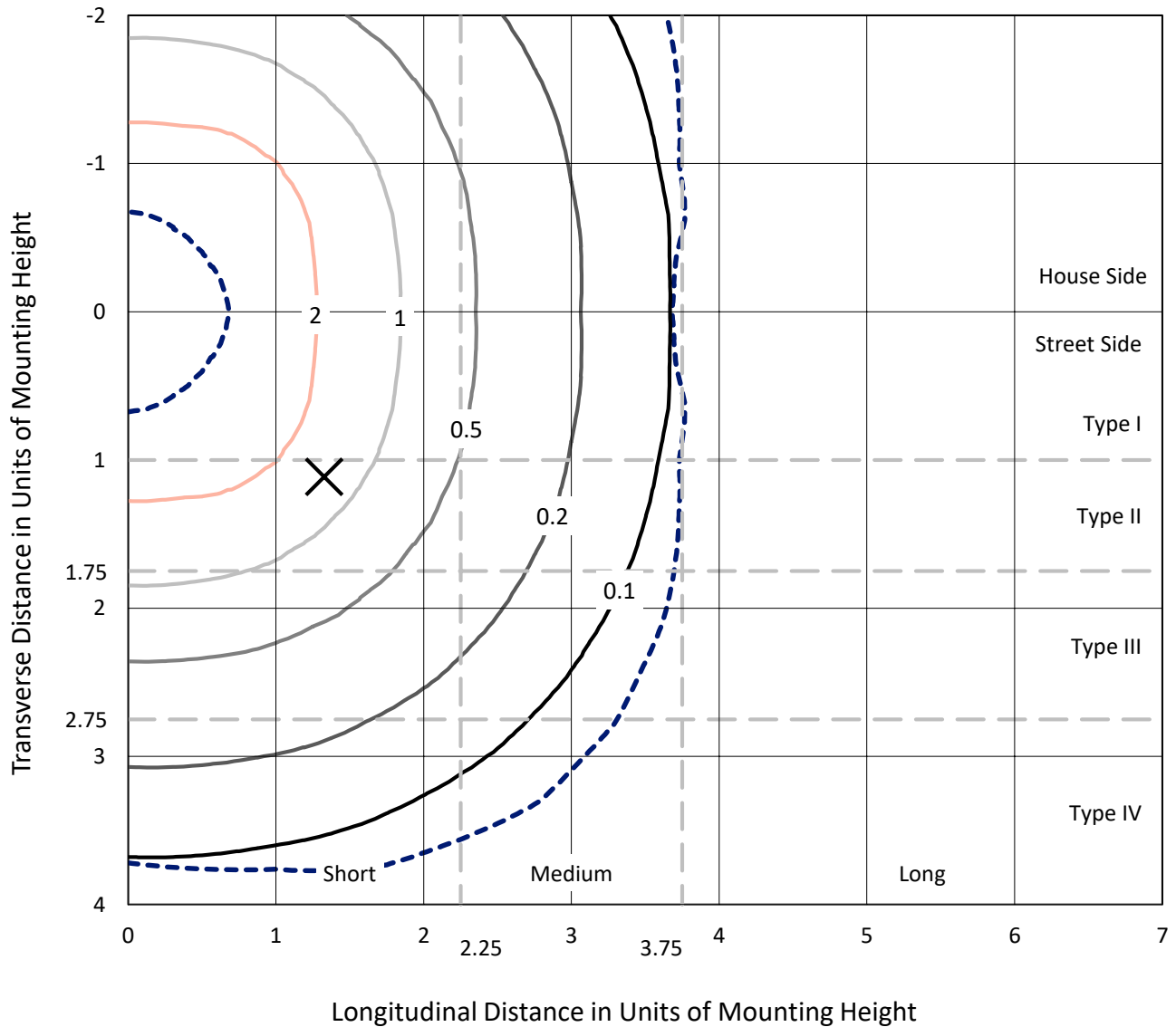


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Iso-Footcandle Lines of Horizontal Illumination

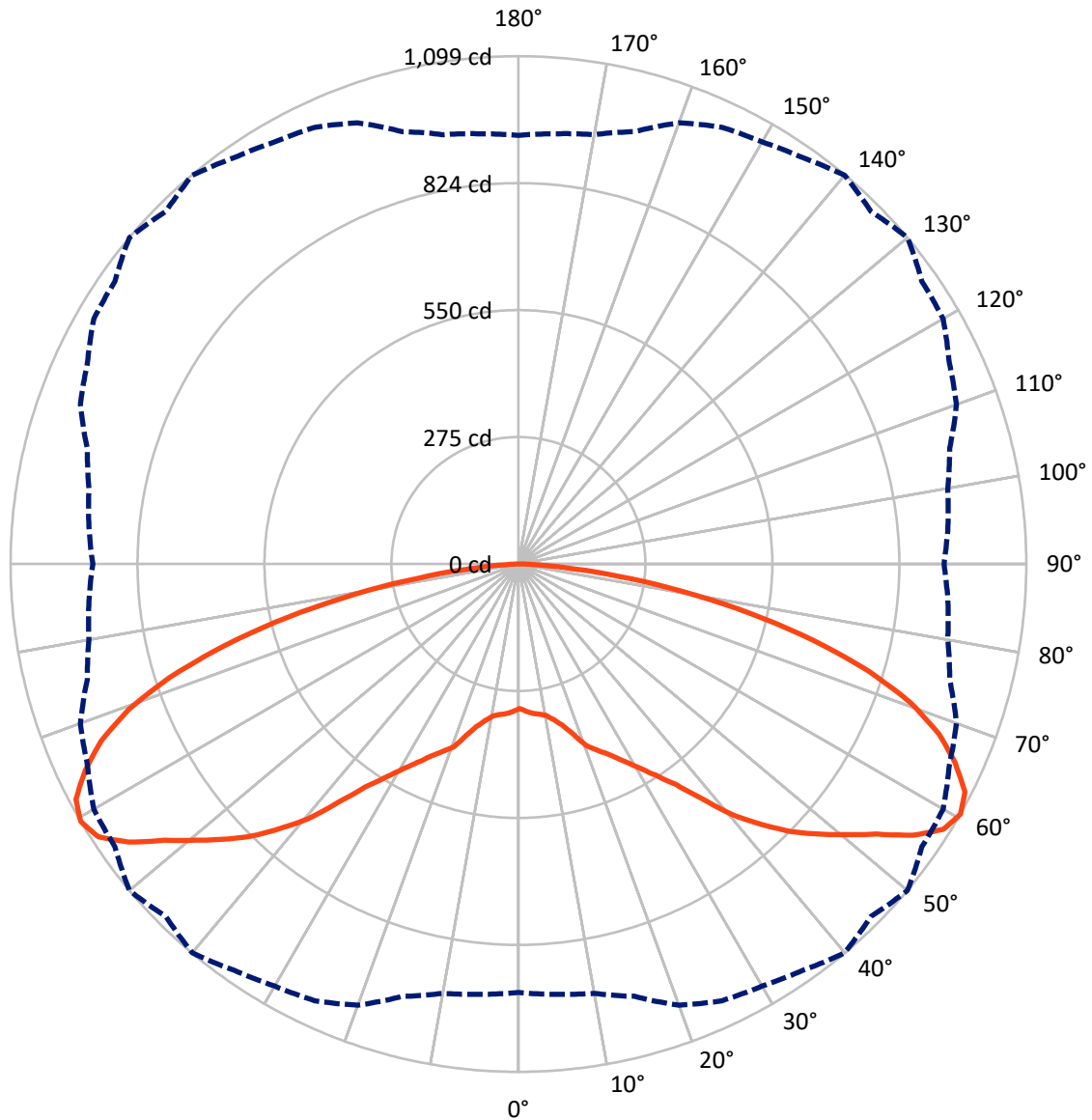
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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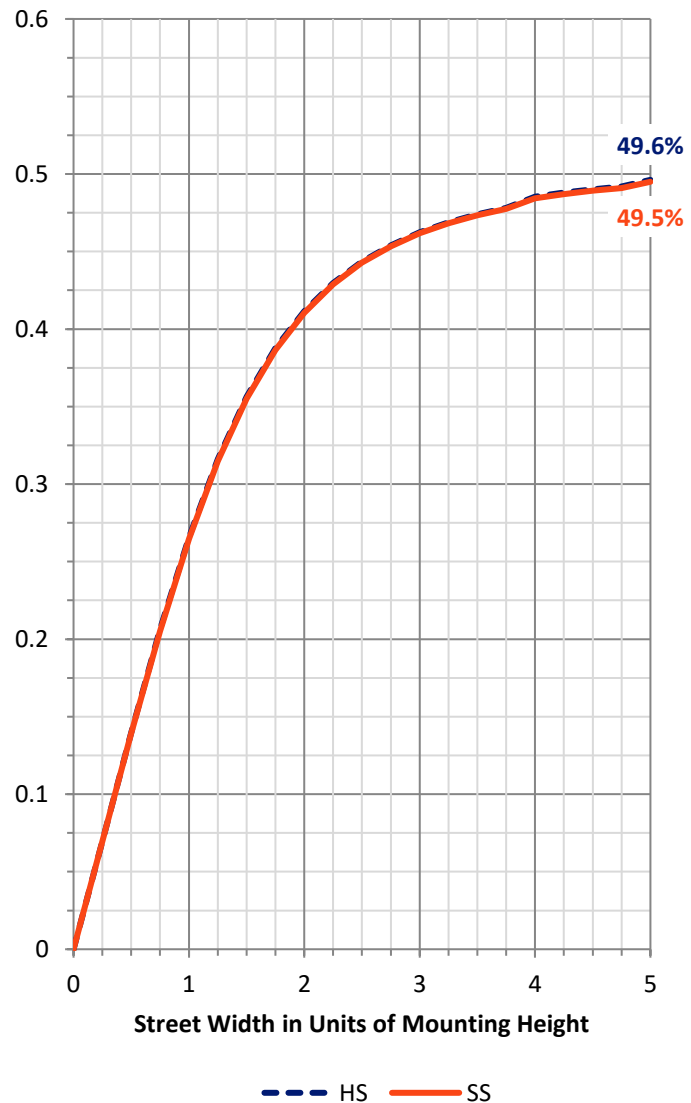
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1948.3	0.0	1948.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1948.3	0.0	1948.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3896.6	0.0	3896.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	0.8
10°-20°	105.1	2.7
20°-30°	212.2	5.4
30°-40°	366.8	9.4
40°-50°	609.3	15.6
50°-60°	865.9	22.2
60°-70°	945.8	24.3
70°-80°	628.3	16.1
80°-90°	131.9	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°	3896.6	100.0
0°-180°	3896.6	100.0



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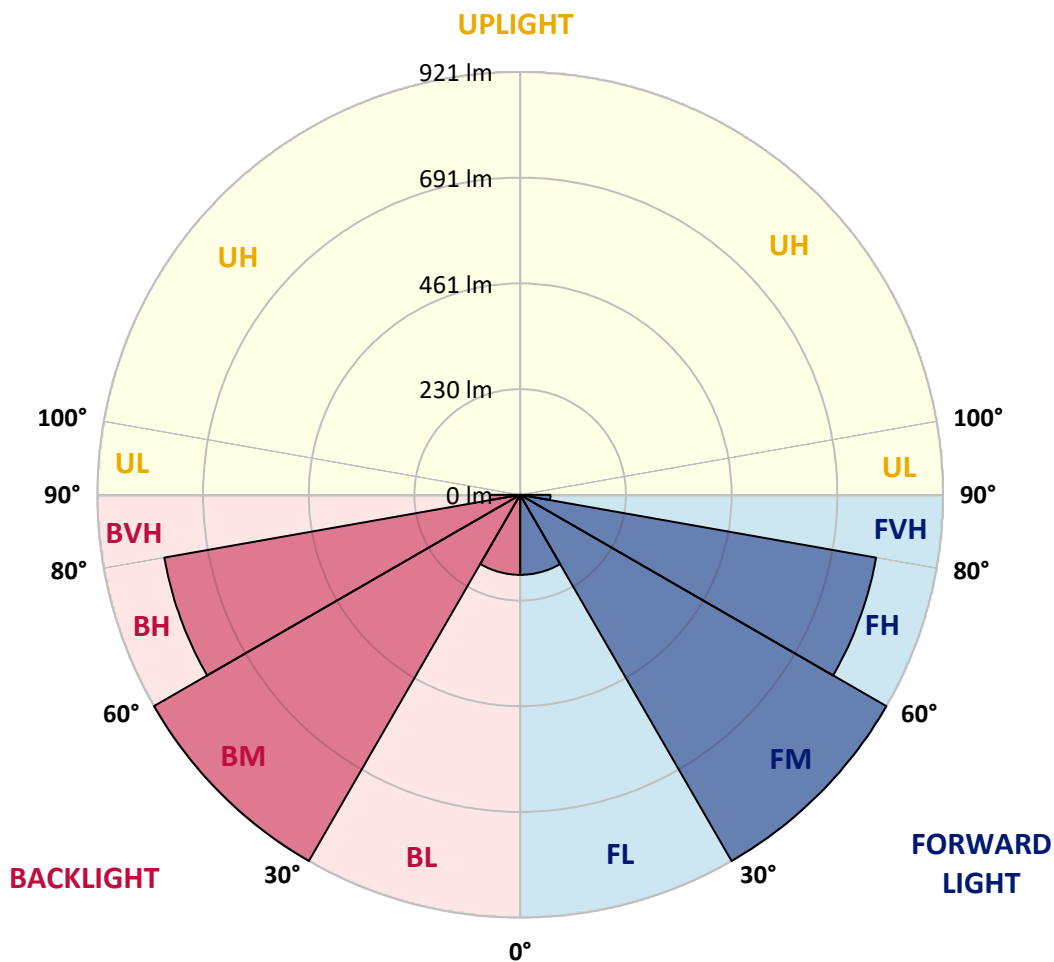
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.2	4.5			
FM (30°-60°)	921.0	23.6			
FH (60°-80°)	787.1	20.2			G1/1800
FVH (80°-90°)	65.9	1.7			G1/100
BL (0°-30°)	174.2	4.5	B1/500		
BM (30°-60°)	921.0	23.6	B1/1000		
BH (60°-80°)	787.1	20.2	B2/1000		G1/1800
BVH (80°-90°)	65.9	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°	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6
2.5°	319.1	319.1	319.1	319.1	319.1	319.1	319.1	319.1	318.3	319.1	319.1
5°	322.3	322.3	322.3	323.1	323.1	323.1	323.9	323.9	323.9	324.7	324.7
7.5°	324.7	324.7	324.7	324.7	325.5	325.5	325.5	326.3	326.3	327.1	328.0
10°	335.2	335.2	335.2	335.2	335.2	334.4	334.4	334.4	333.6	333.6	333.6
12.5°	348.1	348.9	349.7	349.7	349.7	349.7	348.1	346.5	346.5	346.5	346.5
15°	360.2	361.0	361.8	363.4	364.2	365.0	365.0	365.0	365.0	365.0	363.4
17.5°	379.5	380.3	380.3	381.1	381.9	381.9	382.7	385.2	388.4	390.0	388.4
20°	409.3	410.9	411.8	411.8	412.6	411.8	413.4	415.0	417.4	419.0	419.8
22.5°	431.1	432.7	435.1	435.1	435.1	434.3	435.9	436.7	435.9	435.9	437.5
25°	448.0	449.6	451.2	452.0	453.7	456.9	460.1	460.1	457.7	456.9	456.9
27.5°	469.8	472.2	472.2	473.0	474.6	477.0	480.2	482.7	484.3	482.7	481.9
30°	498.0	499.6	500.4	499.6	502.8	503.6	504.4	506.0	510.9	514.1	510.1
32.5°	519.7	522.1	524.6	527.8	535.0	538.3	537.5	539.1	540.7	543.9	544.7
35°	552.8	556.8	557.6	560.0	568.9	573.7	581.0	585.0	584.2	580.2	585.8
37.5°	602.7	607.6	608.4	612.4	621.3	625.3	633.3	643.8	646.2	640.6	643.8
40°	655.1	661.5	667.2	676.1	690.6	695.4	705.1	710.7	718.8	719.6	713.9
42.5°	699.4	706.7	706.7	722.0	738.1	751.8	763.9	764.7	770.3	778.4	770.3
45°	747.0	752.6	755.0	767.9	777.6	795.3	813.0	819.5	821.9	823.5	825.9
47.5°	790.5	797.7	800.1	811.4	821.9	838.0	849.3	868.6	873.5	867.0	873.5
50°	817.9	825.9	832.4	855.7	874.3	888.0	897.6	914.6	924.2	919.4	920.2
52.5°	860.6	863.0	869.4	882.3	908.9	946.0	957.3	962.9	976.6	983.9	971.0
55°	918.6	926.7	931.5	946.8	960.5	987.1	1029.8	1038.7	1035.4	1058.0	1036.2
57.5°	928.3	940.4	955.7	984.7	1008.8	1023.3	1049.9	1080.6	1079.8	1083.0	1083.8
60°	927.5	934.7	943.6	968.6	1016.1	1042.7	1054.8	1073.3	1098.3	1078.9	1099.1
62.5°	921.8	932.3	942.0	959.7	985.5	1023.3	1057.2	1054.8	1088.6	1073.3	1084.6
65°	888.0	897.6	915.4	938.7	970.2	987.9	1021.7	1043.5	1038.7	1059.6	1038.7
67.5°	829.2	838.0	852.5	879.9	913.0	938.7	950.8	987.1	983.1	1006.4	981.4
70°	748.6	759.9	776.8	796.1	828.3	855.7	869.4	892.8	904.1	902.5	900.9
72.5°	651.9	661.5	675.2	696.2	723.6	750.2	760.7	778.4	796.9	791.3	792.9
75°	543.9	552.0	562.4	575.3	601.1	622.1	634.2	650.3	664.8	660.7	659.1
77.5°	419.0	428.7	440.0	452.0	462.5	481.9	490.7	502.0	514.1	511.7	512.5
80°	293.3	301.4	308.6	321.5	329.6	336.0	345.7	350.5	359.4	357.8	360.2
82.5°	178.9	184.5	189.4	195.8	203.1	201.4	202.3	207.9	215.1	211.1	217.6
85°	87.8	87.0	91.9	93.5	98.3	97.5	96.7	99.9	103.9	101.5	101.5
87.5°	22.6	22.6	22.6	23.4	25.8	28.2	25.8	27.4	29.0	29.8	29.0
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°	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6
2.5°	318.3	319.1	318.3	319.1	319.1	319.1	319.1	318.3
5°	324.7	323.9	323.9	323.9	323.1	322.3	322.3	322.3
7.5°	328.0	328.0	327.1	326.3	325.5	325.5	327.1	326.3
10°	335.2	336.0	336.8	337.6	336.8	336.0	336.0	335.2
12.5°	346.5	347.3	348.9	350.5	350.5	349.7	348.1	347.3
15°	362.6	361.8	362.6	364.2	364.2	361.8	359.4	358.6
17.5°	385.2	382.7	381.1	381.1	382.7	380.3	377.9	378.7
20°	416.6	412.6	411.8	409.3	411.8	411.8	407.7	407.7
22.5°	439.2	435.9	432.7	430.3	433.5	435.1	431.1	427.9
25°	460.1	459.3	454.5	452.0	452.0	452.9	447.2	448.0
27.5°	481.1	481.1	477.8	473.8	472.2	474.6	469.8	468.2
30°	506.0	503.6	506.0	500.4	496.4	498.8	498.8	495.6
32.5°	538.3	535.0	537.5	531.0	525.4	524.6	520.5	515.7
35°	584.2	576.1	572.1	568.9	557.6	556.8	556.0	552.0
37.5°	642.2	631.7	622.9	623.7	607.6	603.5	603.5	597.9
40°	711.5	705.1	692.2	687.3	671.2	660.7	659.9	649.5
42.5°	759.9	762.3	745.4	734.1	721.2	705.1	705.9	694.6
45°	813.0	808.2	792.9	774.4	768.7	751.0	751.8	740.5
47.5°	863.8	846.1	838.0	817.9	809.0	788.9	791.3	783.2
50°	913.8	894.4	885.6	863.8	849.3	828.3	825.9	809.0
52.5°	966.9	948.4	936.3	904.9	885.6	869.4	863.0	854.9
55°	1036.2	1017.7	987.9	957.3	942.8	917.8	915.4	904.9
57.5°	1066.9	1052.4	1020.9	1000.8	971.8	946.0	936.3	916.2
60°	1066.1	1061.2	1029.0	1008.8	966.1	943.6	933.1	921.0
62.5°	1057.2	1051.5	1013.7	991.1	952.4	933.1	925.0	909.7
65°	1039.5	1020.1	986.3	967.7	925.8	908.9	891.2	877.5
67.5°	989.5	949.2	933.9	910.5	869.4	851.7	834.8	821.1
70°	896.0	866.2	852.5	823.5	788.1	776.8	755.8	740.5
72.5°	776.8	760.7	746.2	714.7	689.8	678.5	657.5	644.6
75°	644.6	635.0	614.8	591.4	568.9	564.9	542.3	537.5
77.5°	500.4	491.5	475.4	458.5	448.0	440.0	419.8	418.2
80°	350.5	344.9	332.0	324.7	317.5	310.2	296.5	294.9
82.5°	207.1	203.1	203.9	196.6	192.6	191.0	180.5	181.3
85°	99.9	96.7	96.7	96.7	92.7	91.9	85.4	86.2
87.5°	29.0	25.8	25.8	25.8	24.2	24.2	21.0	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)