

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: P197755

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197755
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-C2-LED-E1-5WQ-PM-MS/DIM-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4072.9 lumens
Efficiency: N/A
Efficacy: 119.8 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): 34
Input Voltage (V): NR
Input Current (A_{in}): 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

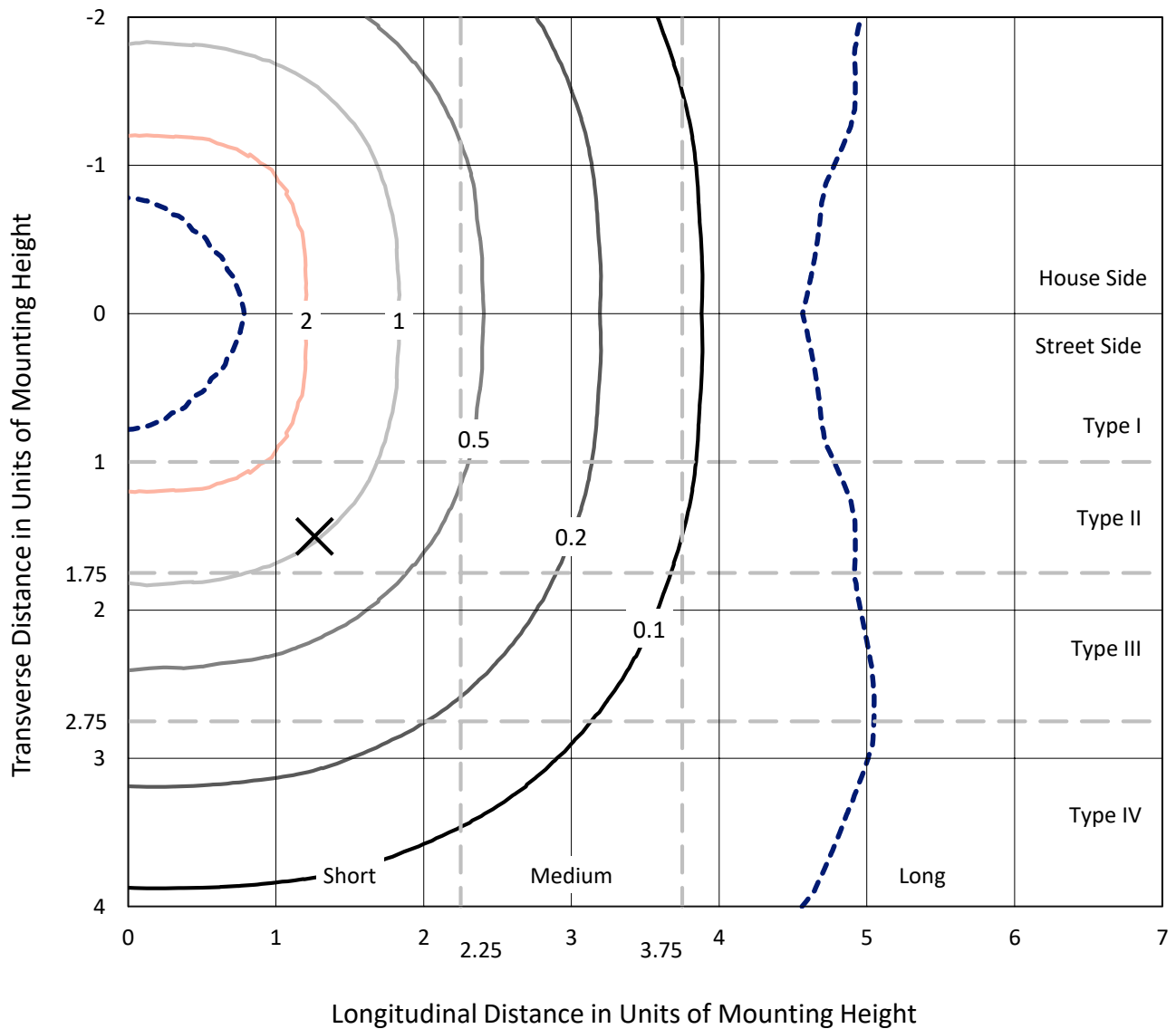


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Iso-Footcandle Lines of Horizontal Illumination

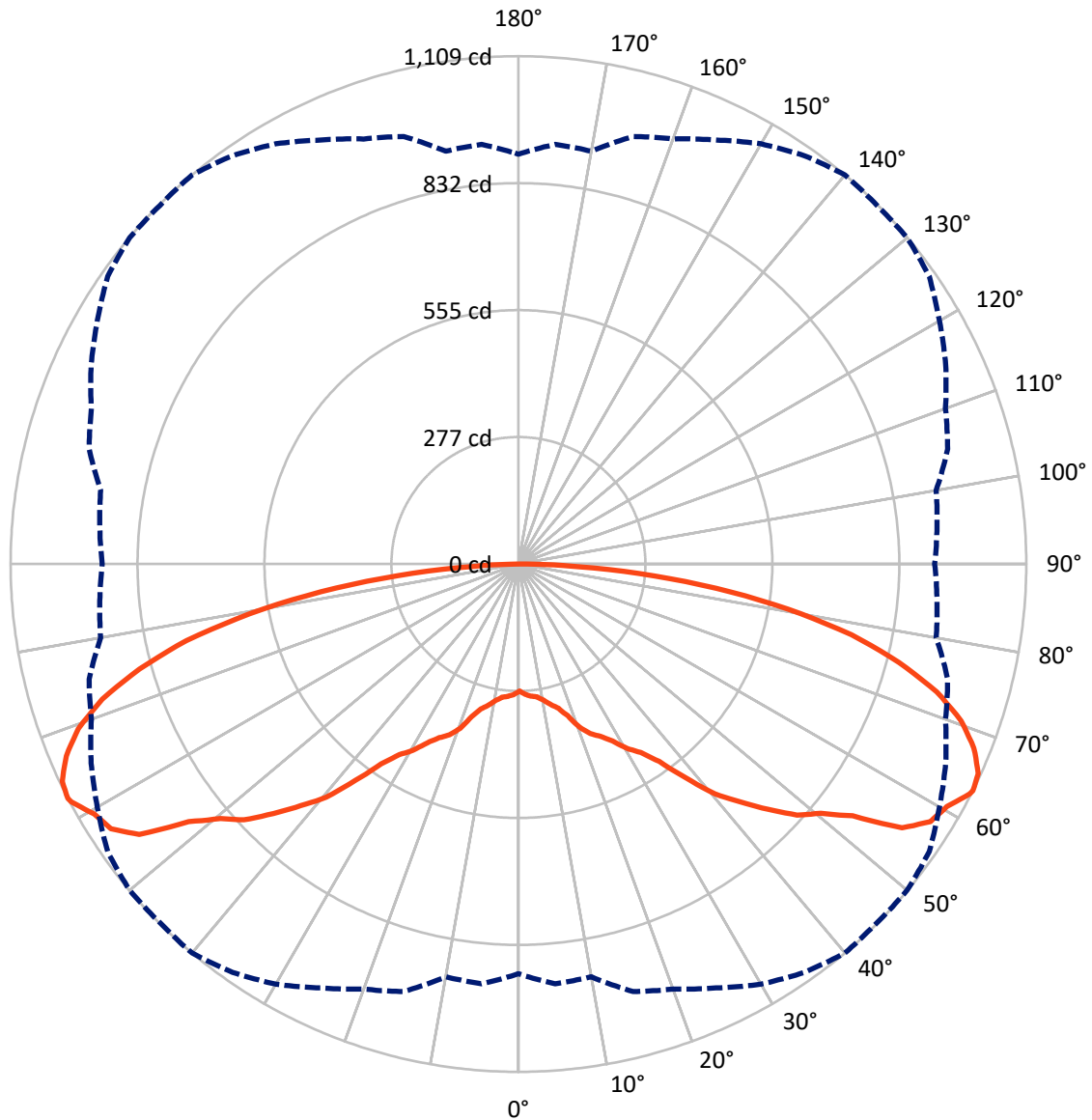
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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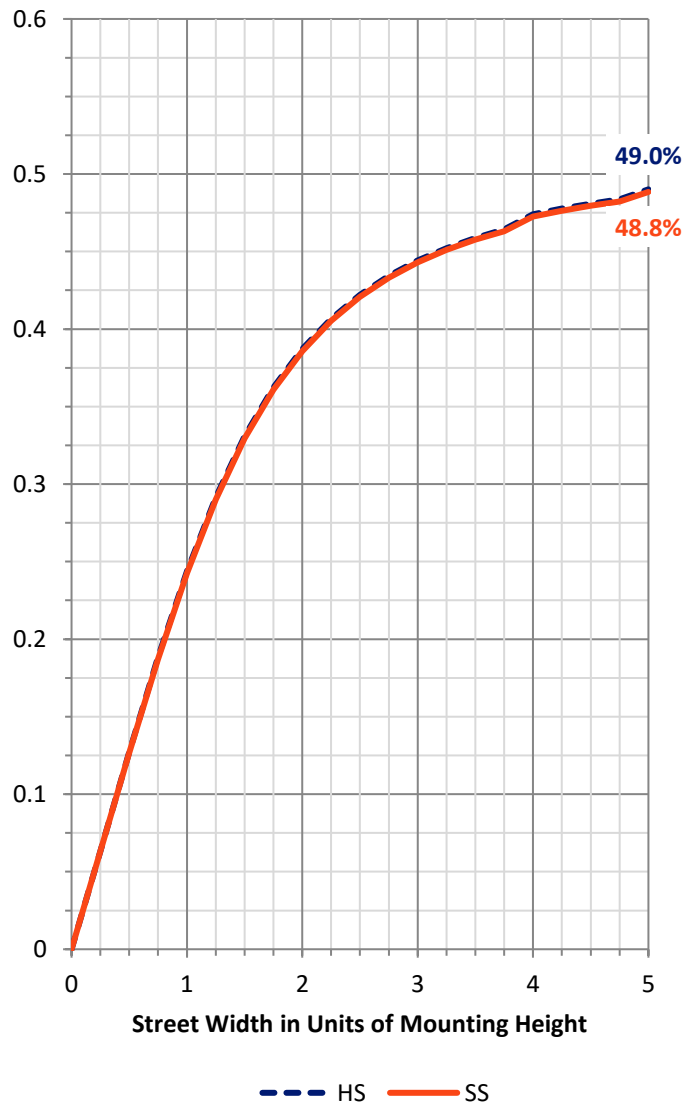
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2036.4	0.0	2036.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2036.4	0.0	2036.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4072.9	0.0	4072.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	0.7
10°-20°	95.1	2.3
20°-30°	193.4	4.7
30°-40°	333.4	8.2
40°-50°	561.6	13.8
50°-60°	827.0	20.3
60°-70°	983.4	24.1
70°-80°	796.1	19.5
80°-90°	254.7	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°	4072.9	100.0
0°-180°	4072.9	100.0



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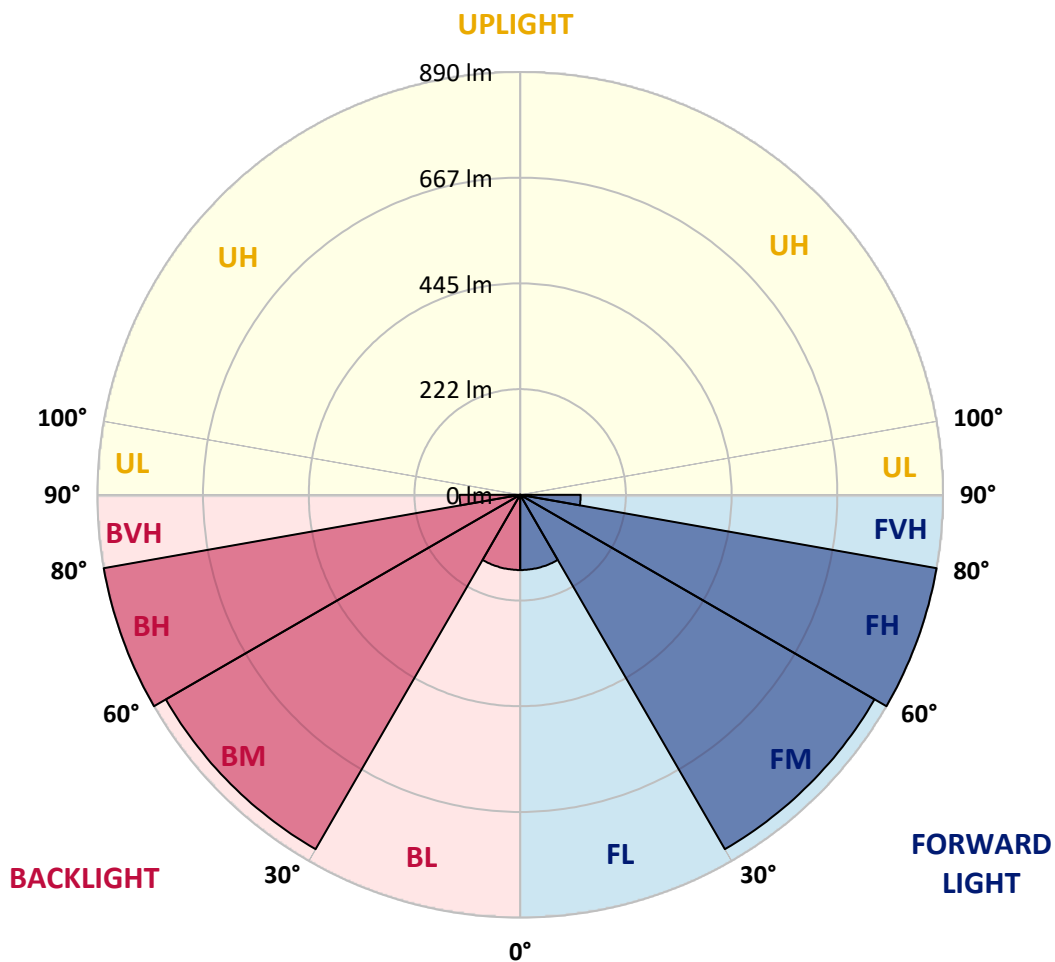
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.3	3.9			
FM (30°-60°)	861.0	21.1			
FH (60°-80°)	889.8	21.8			G1/1800
FVH (80°-90°)	127.4	3.1			G2/225
BL (0°-30°)	158.3	3.9	B1/500		
BM (30°-60°)	861.0	21.1	B1/1000		
BH (60°-80°)	889.8	21.8	B2/1000		G1/1800
BVH (80°-90°)	127.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3
2.5°	286.0	286.0	286.0	286.0	286.0	286.0	285.2	286.0	285.2	285.2	285.2
5°	291.5	291.5	291.5	291.5	290.7	290.7	289.9	289.9	289.9	289.1	289.9
7.5°	293.9	293.9	293.9	293.9	293.1	293.1	293.1	293.1	293.1	293.1	293.1
10°	299.3	299.3	300.2	301.0	302.5	302.5	302.5	303.3	302.5	302.5	302.5
12.5°	311.2	310.4	312.0	313.5	315.1	315.9	315.9	315.9	315.1	315.1	315.9
15°	327.7	326.2	326.9	327.7	328.5	329.3	329.3	328.5	326.9	326.9	326.9
17.5°	349.0	346.6	345.8	345.0	345.0	346.6	348.2	347.5	348.2	347.5	348.2
20°	374.2	372.6	372.6	372.6	373.4	376.5	379.7	381.3	380.5	379.0	381.3
22.5°	390.7	391.5	395.5	394.7	393.9	397.0	401.0	404.1	402.6	400.2	401.8
25°	408.9	408.9	414.4	416.8	414.4	414.4	415.9	418.3	416.8	415.1	416.8
27.5°	429.3	429.3	431.7	434.1	432.5	432.5	434.9	438.8	438.0	437.2	438.0
30°	453.7	450.6	448.3	452.2	456.2	457.0	459.3	465.6	467.2	466.4	467.9
32.5°	476.6	471.9	473.5	475.8	484.5	487.7	486.9	491.6	490.8	488.5	491.6
35°	498.7	504.2	507.3	512.1	515.2	519.2	519.2	527.8	529.4	527.1	529.4
37.5°	541.2	543.6	552.3	553.0	557.0	571.9	573.5	585.3	591.6	588.5	589.3
40°	599.5	598.7	605.1	614.5	622.4	641.2	646.8	654.6	660.2	657.8	661.0
42.5°	646.8	640.5	645.2	665.7	674.4	688.5	695.6	699.6	709.8	706.7	710.6
45°	680.6	683.0	689.4	709.8	715.3	727.1	743.7	750.8	764.1	760.3	762.6
47.5°	713.8	724.8	730.3	739.7	757.0	772.8	793.3	800.4	819.3	817.7	815.4
50°	757.0	765.7	772.0	779.1	802.8	828.8	846.1	849.2	855.6	850.8	858.7
52.5°	803.5	802.8	808.3	827.9	861.1	871.3	886.3	900.5	913.8	918.6	913.8
55°	865.0	845.3	868.2	896.5	910.7	935.1	971.4	991.0	1017.1	1021.0	1013.1
57.5°	890.2	890.2	913.8	930.4	956.4	999.7	1038.3	1047.8	1061.1	1054.0	1061.9
60°	887.1	917.0	917.0	946.2	988.7	1027.3	1041.5	1057.2	1075.3	1074.6	1074.6
62.5°	891.0	920.1	912.2	962.7	988.7	1020.2	1051.7	1080.9	1106.1	1105.3	1104.5
63°	894.9	920.1	915.5	966.6	987.9	1021.7	1059.6	1088.7	1109.2	1107.6	1108.4
65°	906.8	899.7	928.0	960.3	984.8	1035.2	1066.7	1089.5	1103.7	1102.9	1102.9
67.5°	884.7	868.2	908.4	920.9	967.4	1012.3	1036.7	1062.8	1073.0	1073.0	1071.4
70°	817.0	824.0	851.6	872.1	919.3	959.5	980.0	1013.1	1025.7	1025.7	1025.0
72.5°	748.4	760.3	779.1	808.3	853.2	884.7	909.1	939.1	955.6	954.8	954.8
75°	661.0	672.0	694.0	721.7	761.0	791.8	811.4	839.8	858.7	865.8	857.9
77.5°	562.5	565.7	586.1	614.5	649.1	670.4	700.4	727.9	743.7	742.9	740.5
80°	442.8	446.6	464.1	496.3	515.2	540.4	568.0	583.0	596.4	596.4	594.8
82.5°	305.6	314.3	331.7	352.9	372.6	394.7	409.7	424.6	435.7	434.9	432.5
85°	172.5	176.5	193.0	206.4	221.3	235.5	245.8	255.3	264.7	264.7	263.1
87.5°	52.0	46.5	55.9	61.5	69.3	76.4	81.1	90.6	96.9	89.8	89.8
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°	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3
2.5°	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0
5°	289.9	290.7	290.7	291.5	291.5	291.5	291.5	291.5
7.5°	293.1	293.1	293.1	293.1	293.9	293.9	293.9	293.9
10°	302.5	303.3	302.5	302.5	301.0	300.2	300.2	300.2
12.5°	315.9	316.7	316.7	315.1	313.5	312.0	311.2	310.4
15°	328.5	330.9	329.3	328.5	326.9	327.7	327.7	328.5
17.5°	348.2	349.0	346.6	345.0	344.2	345.8	347.5	348.2
20°	382.1	380.5	375.8	374.2	372.6	372.6	374.2	374.2
22.5°	403.4	399.4	396.3	394.7	394.7	394.7	392.3	389.2
25°	418.3	415.9	413.6	415.1	416.8	414.4	408.9	408.1
27.5°	438.8	434.1	433.3	432.5	433.3	431.7	430.9	427.8
30°	465.6	459.3	457.7	456.2	451.4	449.9	451.4	453.7
32.5°	490.8	486.9	488.5	485.2	476.6	473.5	475.0	474.3
35°	527.1	520.0	520.0	513.6	511.3	510.5	504.2	498.7
37.5°	584.5	575.1	572.8	558.6	552.3	553.8	545.2	538.8
40°	654.6	647.6	641.2	625.5	616.8	605.8	600.3	600.3
42.5°	701.1	696.4	687.7	676.7	667.3	648.3	641.2	645.2
45°	752.4	746.1	727.9	716.9	708.2	694.8	686.9	679.1
47.5°	804.3	795.7	774.4	760.3	739.7	735.8	727.1	716.1
50°	850.0	846.9	831.9	808.3	782.3	776.0	768.1	757.8
52.5°	905.9	887.1	874.4	864.2	835.0	814.6	803.5	808.3
55°	997.3	973.7	941.4	909.1	902.8	878.4	850.8	865.8
57.5°	1050.1	1036.7	1012.3	961.1	935.9	919.3	901.3	887.8
60°	1062.8	1038.3	1032.8	994.2	954.1	919.3	926.4	894.9
62.5°	1087.2	1054.0	1023.3	992.6	968.2	920.9	919.3	902.8
63°	1095.1	1061.9	1029.6	992.6	970.6	926.4	917.8	909.1
65°	1093.5	1065.1	1040.7	992.6	959.5	942.2	899.7	919.3
67.5°	1063.6	1039.9	1011.5	978.5	923.3	909.9	880.0	883.9
70°	1015.5	984.8	958.0	927.2	883.1	852.4	834.3	819.3
72.5°	940.6	913.0	884.7	856.3	817.0	779.9	767.4	750.8
75°	841.4	814.6	788.6	761.8	724.8	691.7	678.3	666.5
77.5°	727.9	705.1	668.1	642.9	621.6	586.1	573.5	560.9
80°	580.6	569.6	542.8	509.7	498.7	464.1	454.5	438.0
82.5°	422.2	411.2	389.9	367.1	353.7	335.6	319.8	308.8
85°	257.6	245.8	234.7	214.3	206.4	193.0	180.4	174.1
87.5°	93.0	83.5	74.9	65.3	60.7	51.2	49.6	44.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)