

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: P200547

Luminaire Tested: **GWC-AF-01-LED-E1-5NQ-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24141)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-5NQ-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3526 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' 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

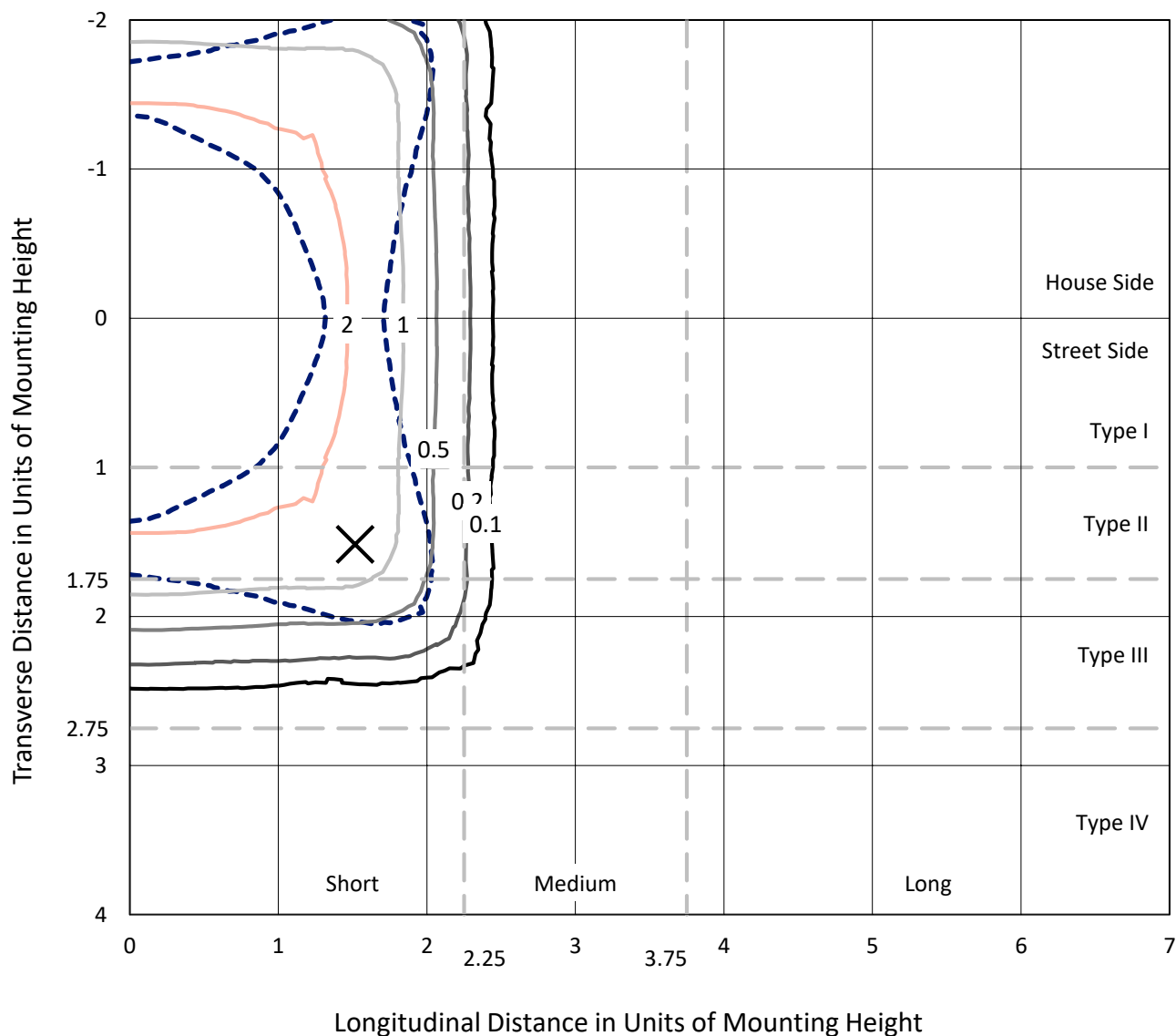


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

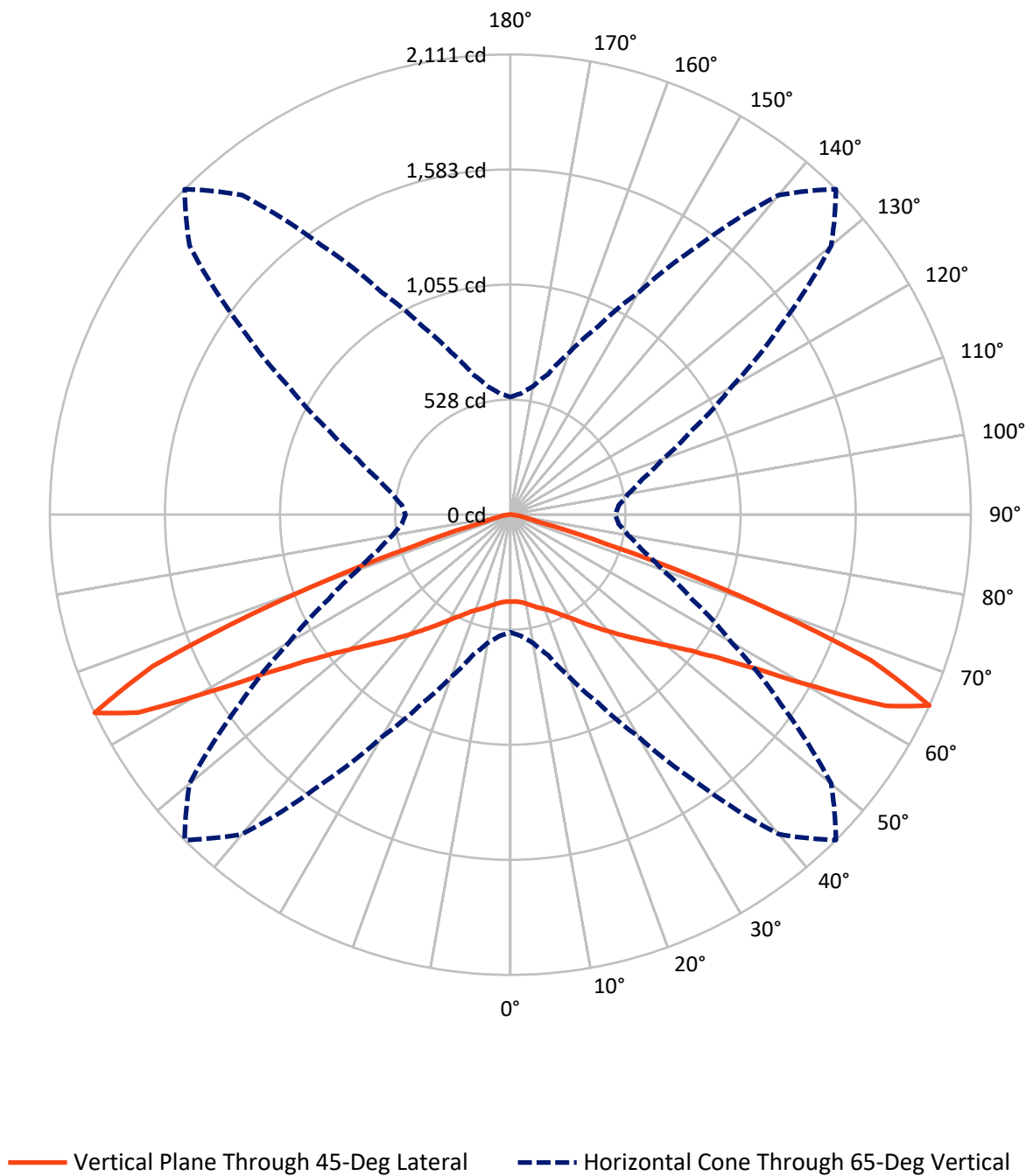


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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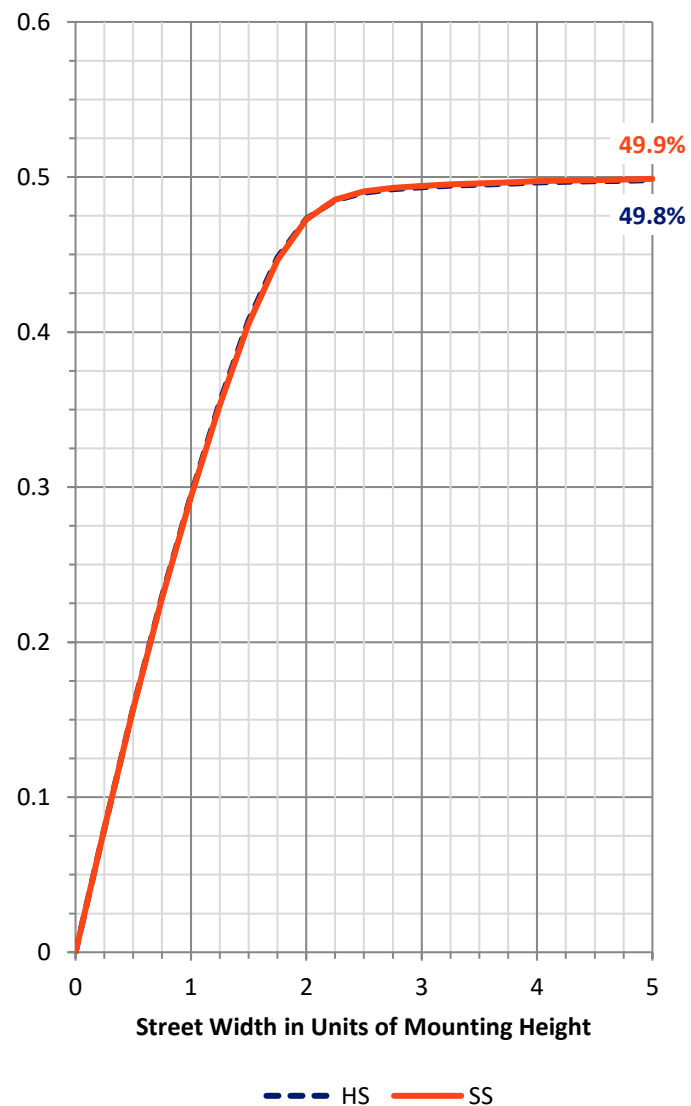
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1763.0	0.0	1763.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1763.0	0.0	1763.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3526.0	0.0	3526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	1.1
10°-20°	124.7	3.5
20°-30°	233.2	6.6
30°-40°	394.4	11.2
40°-50°	644.9	18.3
50°-60°	1025.5	29.1
60°-70°	927.0	26.3
70°-80°	117.3	3.3
80°-90°	20.2	0.6
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°	3526.0	100.0
0°-180°	3526.0	100.0

Coefficient of Utilization



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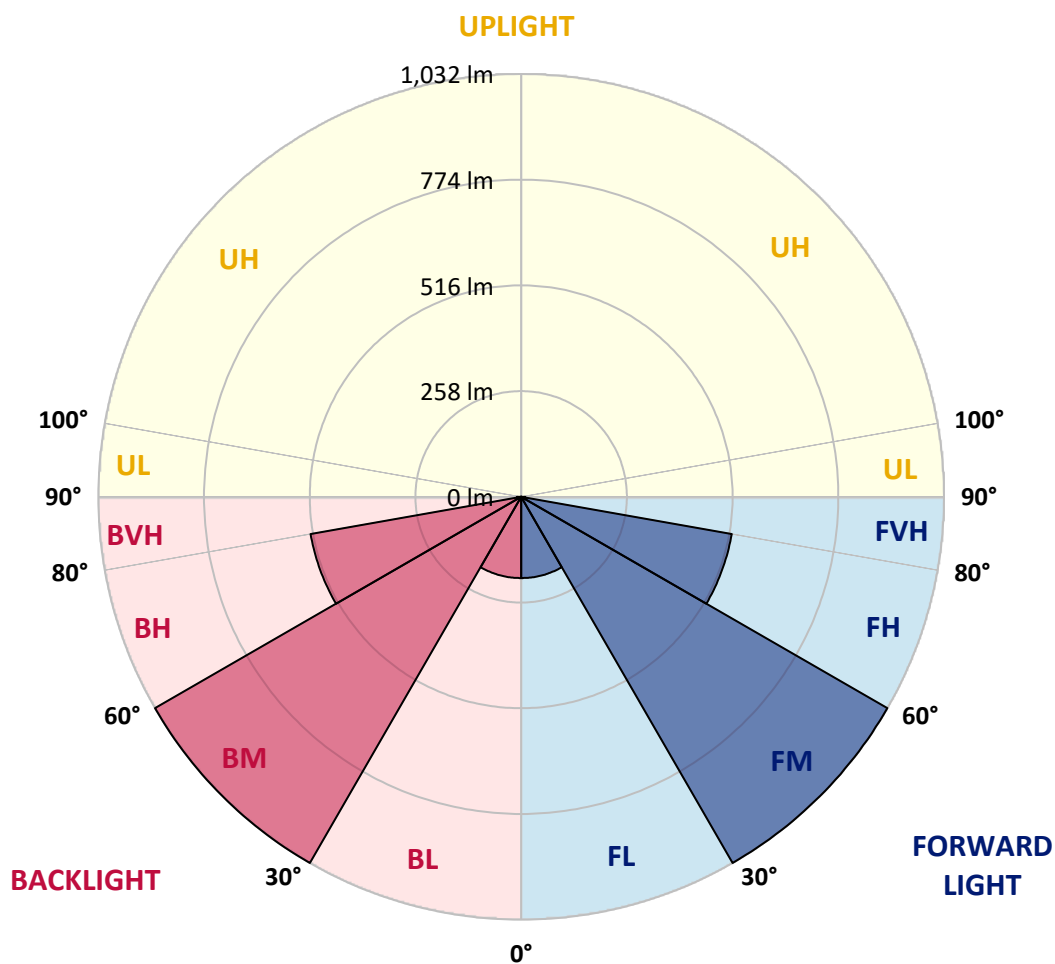
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.4	5.6			
FM	(30°-60°)	1032.4	29.3			
FH	(60°-80°)	522.1	14.8			G0/660
FVH	(80°-90°)	10.1	0.3			G1/100
BL	(0°-30°)	198.4	5.6	B1/500		
BM	(30°-60°)	1032.4	29.3	B2/2500		
BH	(60°-80°)	522.1	14.8	B2/1000		G0/660
BVH	(80°-90°)	10.1	0.3			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°	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0
2.5°	399.3	399.6	400.0	399.6	400.0	399.5	399.1	399.6	399.1	398.6	399.0
5°	402.8	402.9	402.9	402.4	402.9	402.6	402.1	402.8	402.3	401.8	402.1
7.5°	408.5	409.2	408.7	408.2	408.5	408.2	407.9	408.1	407.9	407.4	407.6
10°	416.3	416.8	416.5	416.3	416.6	416.5	416.1	416.0	416.1	415.6	415.6
12.5°	425.7	425.6	425.4	425.6	426.1	426.1	425.9	426.1	426.4	426.5	426.2
15°	435.0	435.3	435.3	435.3	436.3	437.1	437.6	437.9	438.6	438.8	438.1
17.5°	446.5	446.5	446.4	446.5	447.5	448.8	449.3	450.0	450.7	451.2	450.3
20°	459.4	459.7	459.7	460.1	461.4	462.9	462.9	463.2	462.9	463.2	462.7
22.5°	475.1	476.1	476.1	476.3	477.6	479.4	478.9	479.4	478.6	479.2	478.6
25°	495.6	497.1	496.7	496.7	497.7	498.9	499.0	500.0	499.9	500.7	500.2
27.5°	518.7	521.0	521.7	521.5	522.2	523.3	523.6	524.8	524.1	524.8	524.5
30°	546.4	547.4	548.7	549.2	550.1	551.2	551.2	551.4	550.6	551.6	552.0
32.5°	575.2	577.0	578.3	581.3	582.8	583.6	583.4	583.8	582.9	584.3	585.2
35°	613.2	614.5	616.6	618.9	620.9	620.7	620.3	620.4	620.4	621.6	622.6
37.5°	658.9	659.2	662.0	665.3	666.3	665.3	662.4	661.7	660.2	661.7	663.4
40°	707.3	708.4	714.0	716.2	716.7	714.9	710.6	708.1	704.8	706.6	708.9
42.5°	758.0	760.3	765.4	769.2	770.9	769.7	763.8	760.0	755.7	756.7	759.0
45°	814.1	816.9	824.2	827.8	831.0	829.1	823.4	817.6	810.8	811.3	814.9
47.5°	876.9	879.7	889.1	895.2	896.9	896.5	890.1	882.2	872.9	872.6	875.7
50°	947.2	950.0	961.8	971.2	976.0	975.5	967.9	956.6	945.4	945.6	949.5
52.5°	1015.9	1019.4	1031.6	1047.8	1057.2	1064.0	1059.3	1048.8	1035.1	1035.4	1039.0
55°	1080.3	1086.1	1100.1	1122.1	1139.6	1158.6	1164.0	1163.7	1155.5	1157.8	1161.4
57.5°	1111.5	1120.1	1141.8	1176.4	1212.1	1250.7	1283.4	1307.9	1318.3	1334.0	1330.3
60°	1052.4	1066.1	1098.0	1149.0	1219.5	1300.1	1386.5	1470.9	1542.9	1597.2	1566.0
62.5°	861.7	879.5	918.2	983.6	1090.2	1219.2	1384.5	1584.0	1801.3	1932.4	1838.8
65°	539.2	557.7	597.0	667.0	791.8	952.2	1176.4	1507.0	1913.1	2110.8	1920.2
67.5°	210.2	220.3	241.6	286.3	380.1	522.8	747.9	1123.1	1608.8	1782.0	1578.9
70°	105.4	106.3	110.3	118.6	138.7	180.2	274.1	520.7	922.6	1114.3	889.4
72.5°	76.1	76.3	78.3	81.9	88.3	97.6	115.4	159.4	300.1	458.6	281.2
75°	58.3	59.0	60.1	62.1	65.6	70.2	76.6	91.8	113.8	131.9	111.0
77.5°	44.9	46.2	47.1	48.9	51.0	54.2	56.0	61.8	71.8	75.6	74.5
80°	34.2	35.3	37.2	38.6	40.1	41.6	41.0	43.6	48.9	52.0	50.4
82.5°	21.8	23.1	28.4	29.7	30.4	31.4	30.2	30.4	32.7	34.7	32.7
85°	14.0	14.9	18.0	19.7	19.8	20.5	20.0	18.8	18.8	17.2	19.3
87.5°	6.4	6.6	8.1	9.6	9.9	8.9	8.8	8.4	6.8	6.4	6.9
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°	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0
2.5°	398.8	399.1	399.3	399.8	400.0	400.0	400.1	400.5
5°	401.9	402.4	402.6	403.3	403.4	403.3	403.6	403.8
7.5°	407.6	408.4	408.7	409.4	408.9	409.5	409.7	409.7
10°	415.8	416.6	416.8	417.5	417.1	417.5	417.5	417.1
12.5°	426.7	426.9	426.4	426.9	426.2	426.5	426.1	425.7
15°	438.8	438.3	437.1	437.1	436.1	436.3	436.1	436.0
17.5°	450.5	449.5	448.7	448.3	447.5	447.4	446.9	446.9
20°	463.4	462.9	462.4	461.7	460.9	460.1	459.9	460.2
22.5°	478.9	478.7	478.7	478.4	477.2	476.4	475.9	475.9
25°	499.7	498.2	498.2	498.1	497.6	497.1	496.1	496.6
27.5°	523.2	522.3	523.0	522.8	522.3	522.3	521.7	521.7
30°	552.0	551.7	552.7	551.9	550.2	550.1	549.4	548.6
32.5°	585.4	585.1	586.6	585.6	582.9	581.4	580.1	579.5
35°	622.6	622.7	624.5	623.9	620.9	619.9	617.6	617.3
37.5°	663.2	665.8	669.0	669.6	667.1	666.5	664.0	662.7
40°	710.9	714.4	719.2	720.3	717.7	717.2	713.7	711.9
42.5°	761.8	767.7	773.7	774.7	772.0	769.4	766.1	764.7
45°	818.6	825.7	833.4	835.4	831.5	828.3	824.0	824.0
47.5°	882.3	891.2	900.0	905.4	901.8	898.5	893.4	890.1
50°	957.6	969.8	981.2	986.9	981.1	974.8	965.9	962.9
52.5°	1052.1	1065.3	1075.2	1072.2	1063.3	1054.6	1044.8	1040.9
55°	1172.6	1177.1	1177.1	1165.9	1148.0	1133.3	1118.0	1112.9
57.5°	1323.4	1306.2	1279.8	1246.3	1204.2	1167.5	1142.7	1131.0
60°	1500.6	1418.0	1324.7	1233.1	1157.8	1095.7	1058.9	1042.0
62.5°	1618.7	1402.7	1215.7	1068.6	960.3	885.5	834.6	814.8
65°	1512.8	1169.8	919.5	743.4	625.4	549.2	498.9	480.4
67.5°	1108.1	733.0	489.6	350.9	257.1	205.1	184.5	175.9
70°	497.4	258.1	158.2	123.5	106.5	97.8	94.0	92.6
72.5°	149.9	108.5	91.5	82.6	75.8	71.5	68.4	68.0
75°	90.5	75.3	66.9	61.6	57.3	53.8	52.2	51.7
77.5°	63.2	55.3	51.4	47.6	44.3	41.6	40.1	39.0
80°	44.4	40.6	38.8	36.7	34.5	32.0	29.9	28.9
82.5°	29.7	28.9	28.9	27.6	25.8	23.4	19.2	18.2
85°	19.2	19.0	19.3	18.8	17.5	15.0	12.4	11.7
87.5°	8.9	9.1	10.1	9.9	9.6	7.9	6.3	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)