

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629365

Luminaire Tested: GWS-SA1B-740-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3154.3 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

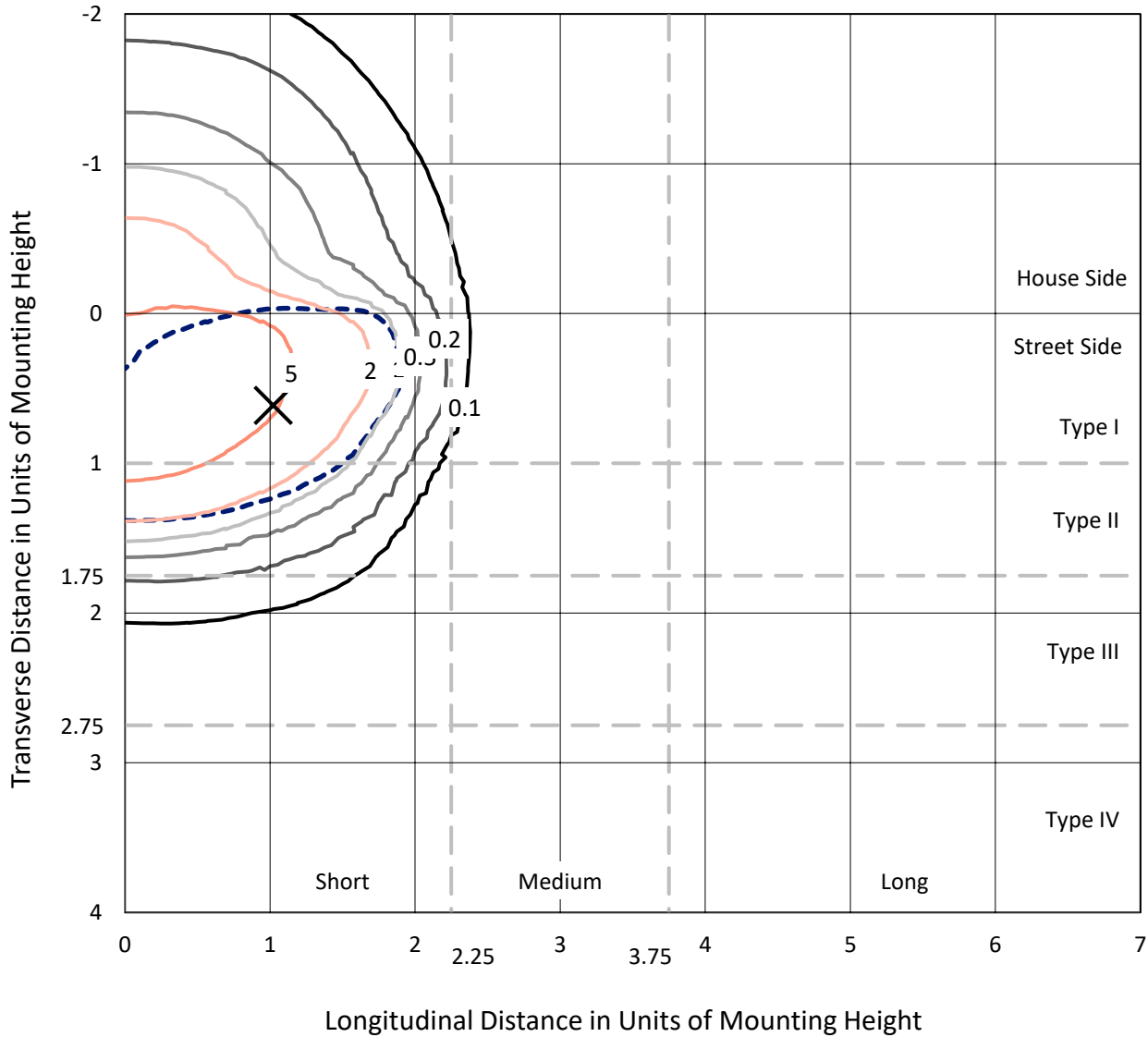
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

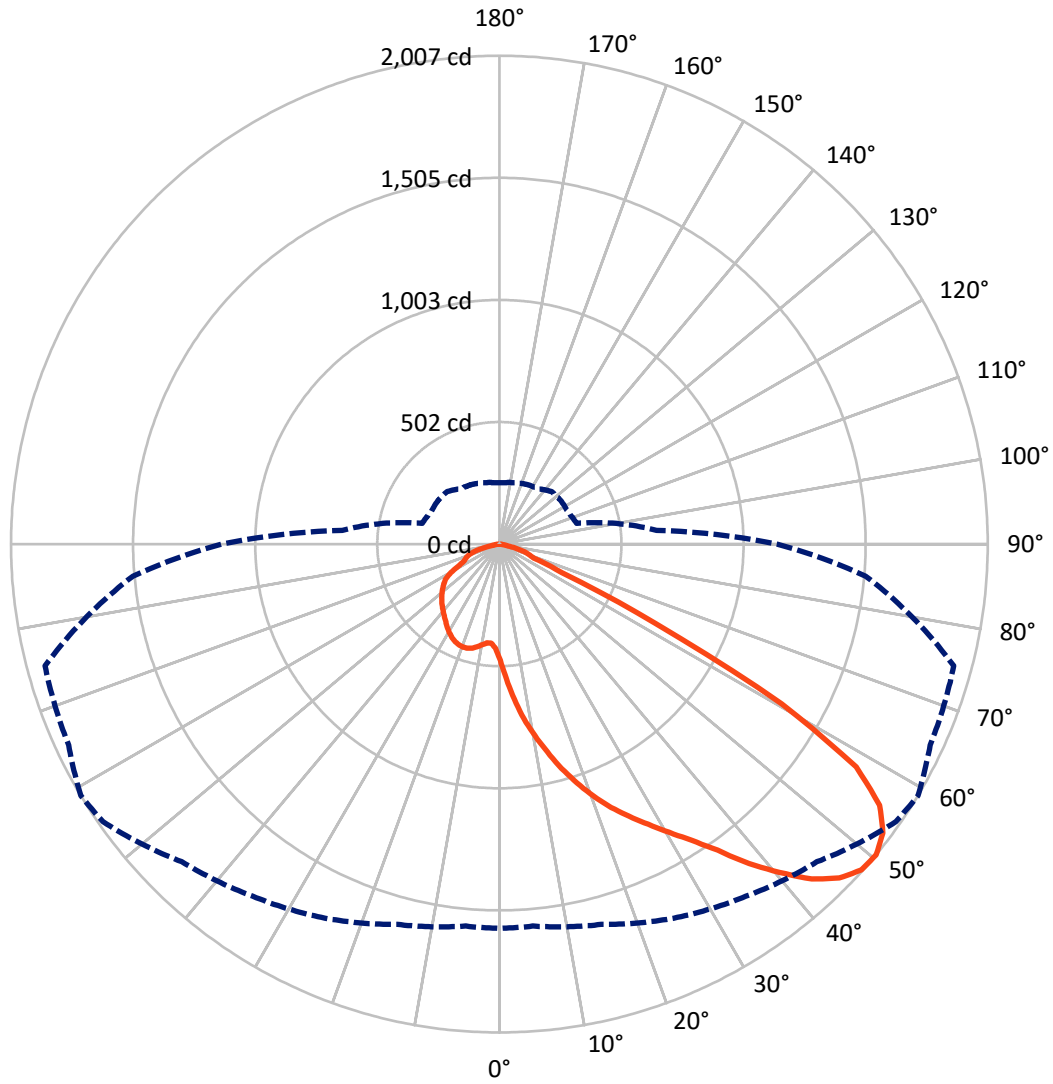
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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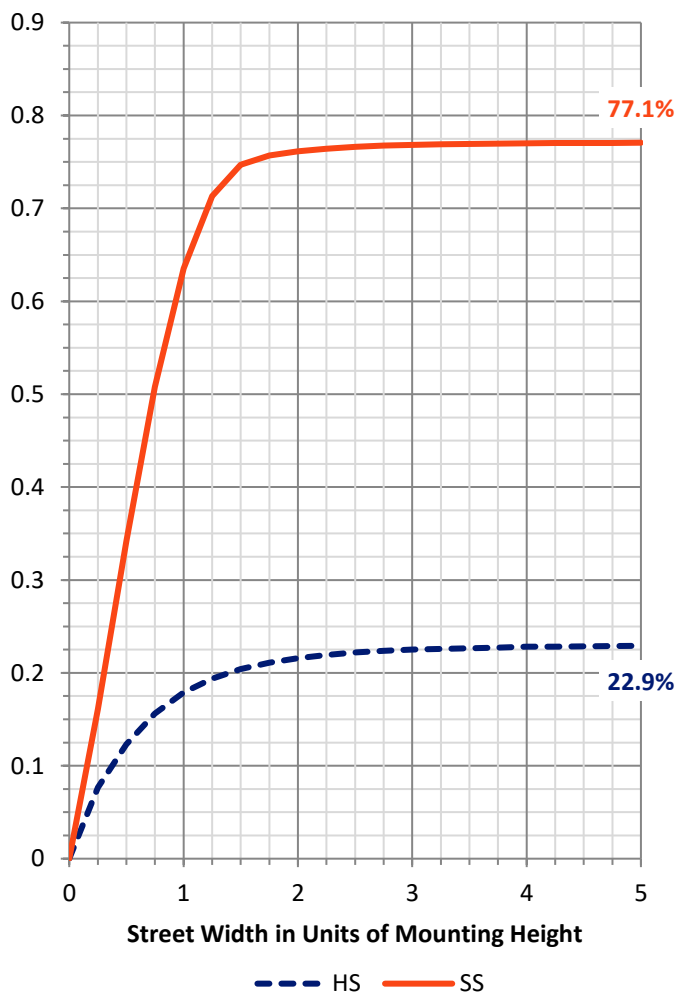
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	725.5	0.0	725.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	2428.8	0.0	2428.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	3154.3	0.0	3154.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	1.7
10°-20°	194.6	6.2
20°-30°	368.5	11.7
30°-40°	611.1	19.4
40°-50°	834.9	26.5
50°-60°	757.8	24.0
60°-70°	252.4	8.0
70°-80°	73.6	2.3
80°-90°	7.7	0.2
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°	3154.3	100.0
0°-180°	3154.3	100.0

Coefficient of Utilization



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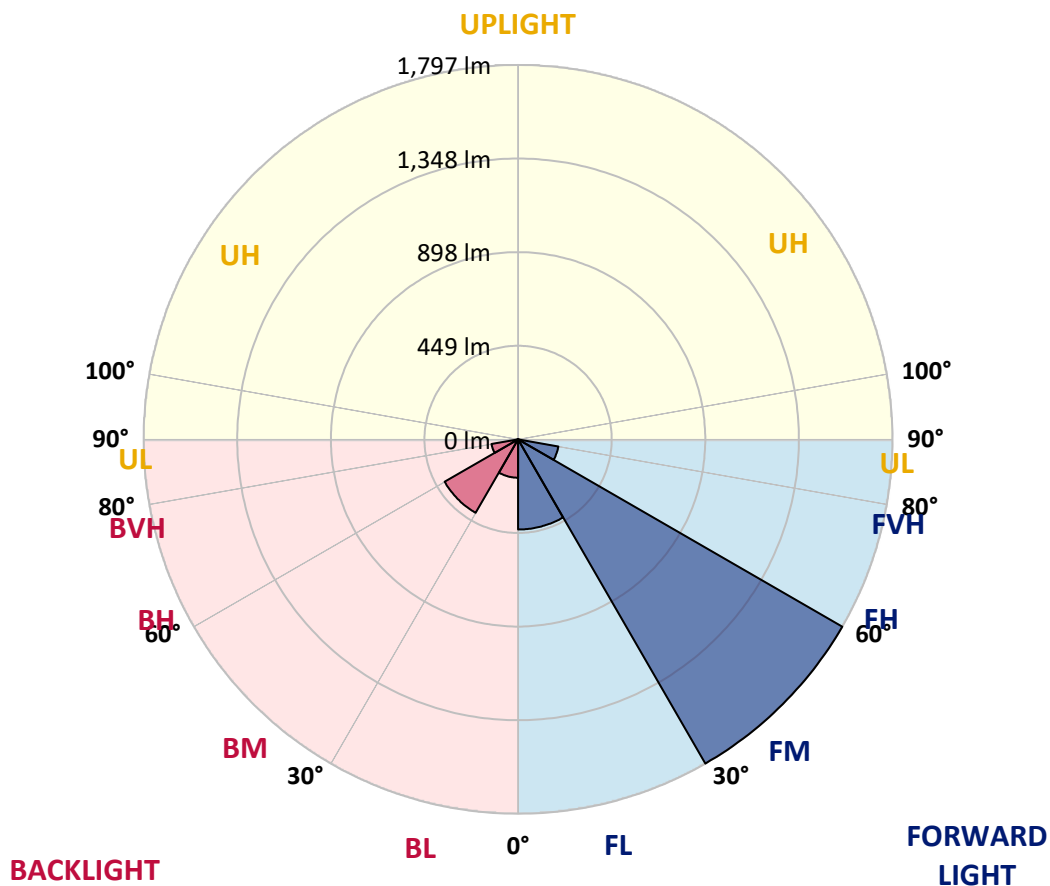
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	432.5	13.7			
FM (30°-60°)	1796.7	57.0			
FH (60°-80°)	196.5	6.2			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	184.2	5.8	B1/500		
BM (30°-60°)	407.1	12.9	B1/1000		
BH (60°-80°)	129.5	4.1	B1/500		G1/500
BVH (80°-90°)	4.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9
2.5°	619.2	623.8	616.6	617.2	599.2	591.0	567.8	554.2	545.2	520.0	497.2
5°	744.1	738.7	733.0	729.7	714.0	691.9	663.1	640.3	619.2	569.9	522.3
7.5°	820.6	817.8	814.0	811.9	796.5	773.4	744.6	725.1	694.5	627.7	552.9
10°	885.7	882.3	880.0	881.5	869.0	854.1	822.7	800.4	765.9	688.8	589.9
12.5°	936.0	937.8	938.6	946.8	941.4	932.4	900.0	876.4	838.1	753.3	633.3
15°	975.8	975.3	984.3	1000.0	1008.7	1003.1	977.1	957.3	910.6	816.8	680.1
17.5°	985.1	985.6	999.7	1027.2	1055.7	1069.6	1055.0	1031.3	985.1	879.5	728.7
20°	992.5	993.6	1008.2	1039.6	1081.2	1120.0	1122.3	1105.3	1065.5	947.3	778.0
22.5°	1039.6	1041.9	1045.7	1065.5	1103.0	1152.1	1179.1	1175.5	1142.1	1018.5	831.2
25°	1163.1	1156.2	1137.5	1131.8	1146.2	1186.0	1232.0	1238.9	1222.5	1096.9	888.5
27.5°	1315.8	1308.3	1280.6	1251.3	1220.2	1234.1	1283.1	1303.9	1304.2	1183.2	946.0
30°	1454.3	1448.3	1425.7	1383.9	1330.2	1310.1	1346.3	1374.3	1391.0	1282.9	1011.6
32.5°	1572.7	1567.3	1536.7	1502.6	1450.1	1409.8	1422.9	1449.9	1488.9	1411.9	1093.0
35°	1672.4	1667.0	1637.7	1603.3	1554.7	1530.6	1525.9	1544.4	1595.1	1546.5	1186.5
37.5°	1753.3	1747.9	1717.4	1685.0	1648.0	1649.5	1656.5	1665.5	1694.5	1690.6	1286.5
40°	1805.7	1800.1	1778.2	1755.1	1731.7	1750.2	1784.7	1773.9	1789.3	1807.0	1378.5
42.5°	1829.1	1821.9	1809.3	1804.2	1797.0	1825.8	1892.1	1881.3	1862.8	1884.6	1446.8
45°	1805.7	1799.6	1799.3	1815.0	1831.7	1868.7	1966.3	1957.6	1910.8	1922.1	1487.7
47.5°	1734.1	1728.7	1743.3	1784.4	1825.5	1879.5	1999.5	2001.0	1945.0	1937.8	1514.1
50°	1579.1	1575.5	1617.9	1695.8	1766.7	1845.8	1988.9	2006.7	1953.2	1932.9	1510.8
52.5°	1264.1	1280.8	1373.1	1503.1	1640.8	1786.7	1949.9	1973.0	1913.7	1900.8	1492.8
55°	865.4	873.1	965.3	1155.2	1373.6	1658.8	1860.2	1895.9	1866.9	1895.4	1511.5
57.5°	448.1	454.3	527.0	695.5	931.6	1310.9	1611.2	1728.4	1772.6	1922.6	1569.9
60°	184.0	189.1	219.2	300.6	469.9	763.4	1159.5	1333.2	1437.0	1755.9	1394.1
62.5°	133.6	136.2	150.6	179.3	246.1	374.1	656.2	720.2	793.2	1100.5	885.1
65°	112.5	115.4	126.9	144.4	179.6	229.4	280.3	281.9	310.6	448.4	328.1
67.5°	94.3	96.9	107.1	122.0	145.2	162.9	150.6	150.8	150.3	162.6	157.2
70°	73.5	75.5	85.8	101.7	113.8	104.6	117.7	130.3	124.9	129.8	137.2
72.5°	53.7	56.0	65.0	77.1	74.0	74.5	95.3	108.2	105.1	110.5	117.4
75°	38.8	40.3	45.0	38.5	40.6	49.1	67.1	74.0	77.1	81.7	87.9
77.5°	12.6	12.6	14.1	17.7	22.1	27.2	34.2	37.0	41.6	46.8	51.1
80°	6.4	6.7	8.0	9.8	12.3	15.7	20.0	21.3	23.6	26.5	28.3
82.5°	3.1	3.3	3.9	4.9	6.4	8.2	11.0	12.3	13.9	15.7	17.0
85°	0.8	0.8	1.0	1.5	2.1	3.1	4.1	4.9	6.2	7.5	8.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.0	1.3	1.5	2.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9
2.5°	486.9	472.5	454.0	438.3	423.9	412.9	403.4	398.8	394.4	391.3	392.3
5°	500.3	475.6	441.2	417.3	402.6	395.2	390.0	387.5	386.9	384.9	384.1
7.5°	519.8	484.6	438.6	414.4	404.7	400.8	398.0	396.5	397.2	395.2	394.4
10°	543.9	499.5	445.0	423.7	415.2	412.4	409.3	407.2	406.2	403.1	402.6
12.5°	574.0	518.0	456.6	435.5	427.0	422.1	418.0	414.4	412.1	408.3	407.2
15°	606.4	538.5	470.2	447.1	437.0	429.9	423.2	417.8	413.7	408.5	407.8
17.5°	641.6	560.1	481.5	455.0	442.2	432.7	422.9	414.9	409.3	402.6	401.8
20°	678.3	582.0	490.0	458.9	442.4	429.6	416.5	406.0	398.8	392.1	391.6
22.5°	716.3	602.0	495.1	457.9	438.3	422.4	406.7	394.9	386.4	378.5	378.0
25°	754.6	621.3	496.4	453.7	430.1	411.6	395.9	382.1	372.6	363.6	362.5
27.5°	793.4	637.5	493.3	445.5	419.1	399.0	383.3	369.7	360.0	351.0	349.4
30°	834.8	651.3	486.6	434.7	406.2	385.7	370.2	360.0	350.7	341.7	340.2
32.5°	879.0	663.4	477.1	421.6	391.3	372.3	361.0	351.7	342.5	334.5	333.0
35°	931.6	671.4	463.0	404.7	377.4	362.5	354.8	344.0	332.7	324.0	323.2
37.5°	986.1	677.5	446.0	388.5	365.4	356.9	350.5	335.8	321.7	311.1	309.9
40°	1038.8	682.7	425.0	373.3	354.3	352.8	344.0	325.8	301.4	289.6	288.5
42.5°	1087.9	684.2	402.9	357.1	344.3	343.5	333.8	305.5	286.7	279.3	278.3
45°	1121.5	682.9	380.0	342.0	334.3	330.2	319.9	290.9	279.3	272.6	271.3
47.5°	1146.4	676.3	354.3	326.1	323.0	317.3	295.2	281.6	270.8	264.1	262.8
50°	1142.1	648.5	328.4	310.6	309.3	304.5	277.2	270.0	260.5	253.3	252.3
52.5°	1119.5	595.8	301.9	293.7	296.2	286.7	264.4	256.2	247.9	239.7	237.9
55°	1125.1	557.8	281.9	277.2	281.9	260.3	250.0	241.3	233.6	225.6	224.0
57.5°	1149.8	520.3	260.5	259.5	264.4	240.0	231.5	220.5	209.4	203.0	203.0
60°	965.6	379.2	223.0	225.6	236.6	223.5	216.1	204.8	192.7	187.0	187.0
62.5°	570.9	237.9	185.0	182.2	189.1	197.3	201.4	192.2	177.8	170.3	170.6
65°	251.5	173.2	163.2	160.8	158.8	164.4	175.7	176.5	161.4	152.6	152.9
67.5°	154.9	156.7	152.6	150.8	149.0	148.0	147.0	147.5	143.4	135.4	135.1
70°	139.8	144.7	141.8	140.3	138.0	136.2	130.0	120.0	113.1	111.0	113.3
72.5°	120.2	126.9	125.4	124.6	121.8	117.4	109.2	99.4	91.2	86.1	87.1
75°	90.7	96.1	96.9	97.1	94.0	89.9	81.4	73.2	66.0	60.6	61.9
77.5°	52.2	55.2	56.0	56.8	54.5	52.9	47.3	41.4	37.5	31.9	33.4
80°	29.0	30.3	30.3	30.6	29.3	27.5	23.6	20.3	18.5	15.9	16.2
82.5°	17.5	18.0	18.2	18.5	17.7	15.9	13.1	10.8	9.8	8.5	8.2
85°	8.5	9.0	9.0	9.2	8.0	6.9	5.4	4.1	3.6	2.6	2.8
87.5°	2.1	2.3	2.3	2.1	1.8	1.3	0.8	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)