

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: P629416

Luminaire Tested: GWS-SA1B-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3056.5 lumens
Efficiency: N/A
Efficacy: 122.3 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

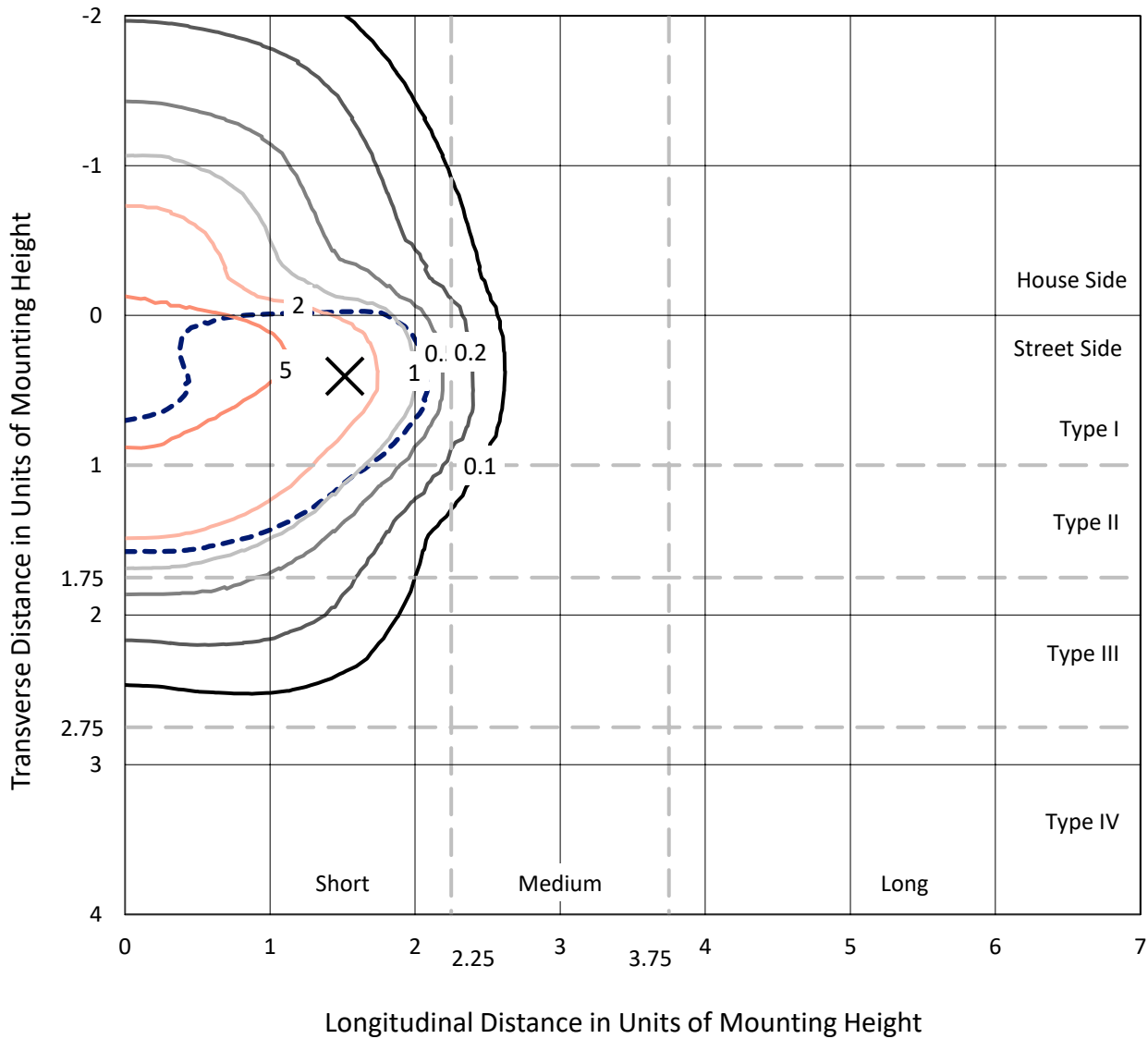
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

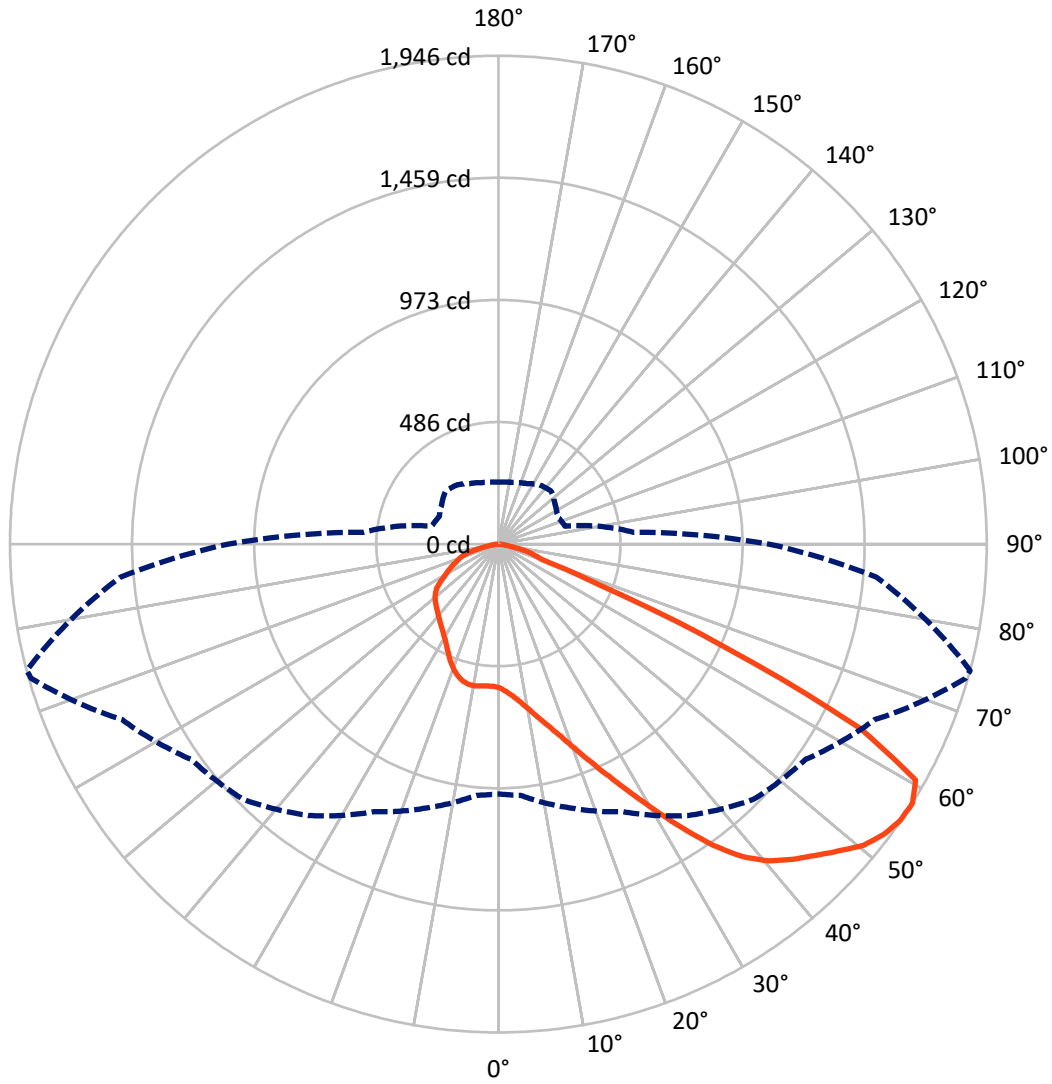
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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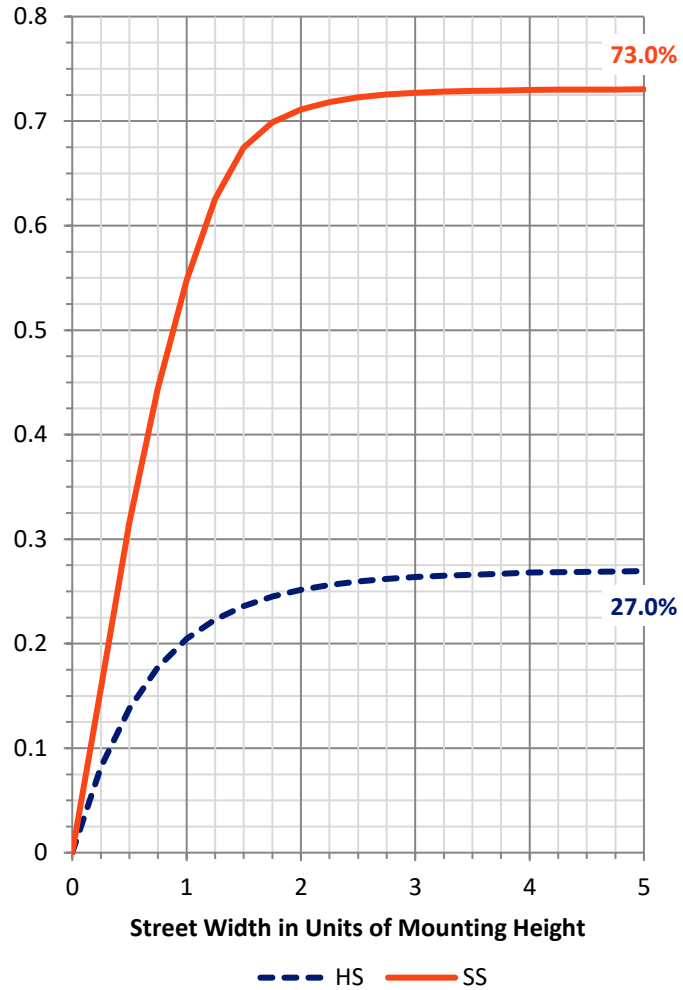
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	826.8	0.0	826.8
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2229.7	0.0	2229.7
	% Fixture	72.9	0.0	72.9
Total	Lumens	3056.5	0.0	3056.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.9
10°-20°	182.4	6.0
20°-30°	323.4	10.6
30°-40°	495.1	16.2
40°-50°	689.4	22.6
50°-60°	789.9	25.8
60°-70°	405.9	13.3
70°-80°	102.2	3.3
80°-90°	10.9	0.4
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°	3056.5	100.0
0°-180°	3056.5	100.0

Coefficient of Utilization



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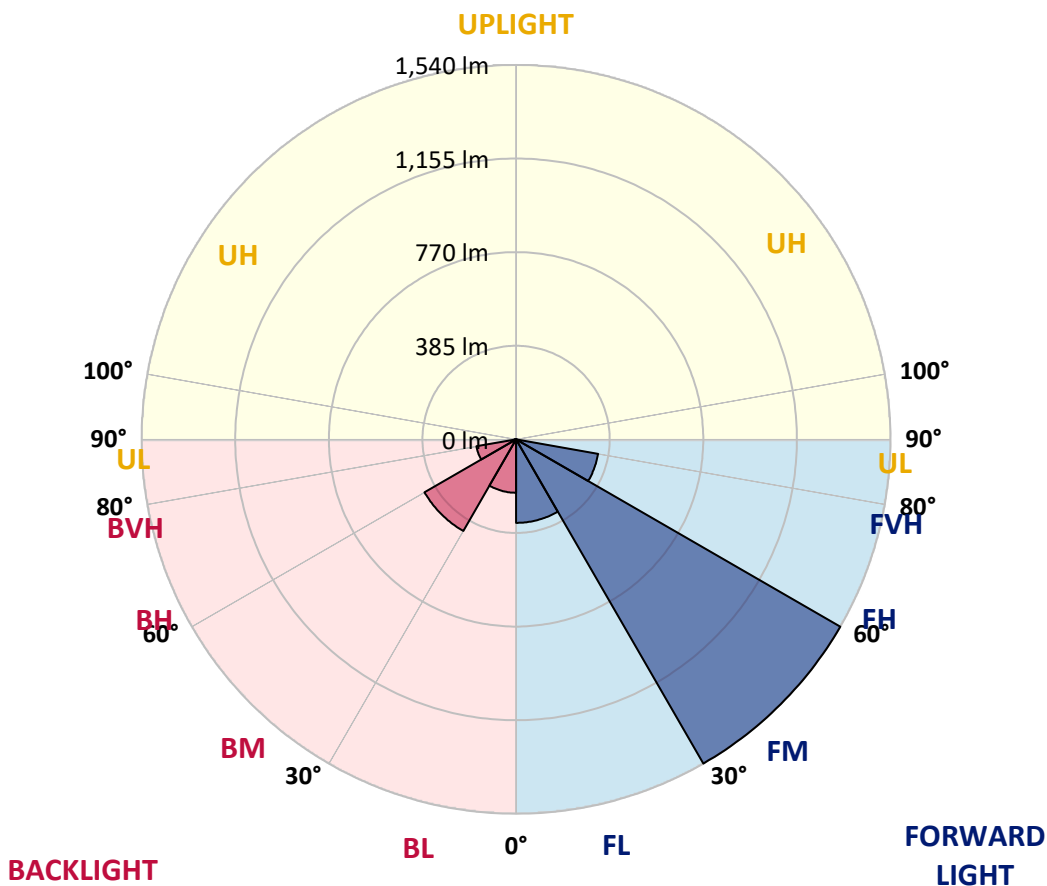
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.4	11.2			
FM (30°-60°)	1539.6	50.4			
FH (60°-80°)	342.6	11.2			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	219.7	7.2	B1/500		
BM (30°-60°)	434.8	14.2	B1/1000		
BH (60°-80°)	165.5	5.4	B1/500		G1/500
BVH (80°-90°)	6.9	0.2			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°	65°	74°	75°	85°
0°	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4
2.5°	615.0	616.6	615.0	617.6	612.4	610.0	604.2	595.5	588.7	587.7	580.0
5°	662.8	666.2	664.1	663.1	656.0	650.7	642.1	624.7	610.5	608.4	593.4
7.5°	693.6	695.9	695.9	696.7	694.1	688.0	678.8	658.3	638.4	635.2	612.6
10°	703.8	705.7	709.1	715.6	720.9	722.7	716.7	697.0	672.5	669.4	637.8
12.5°	706.2	708.3	713.5	725.6	740.1	753.2	754.3	739.8	712.5	709.1	667.0
15°	710.6	712.8	719.8	734.8	756.1	781.3	796.9	786.9	756.6	753.0	700.1
17.5°	710.1	712.5	723.0	743.0	771.6	808.2	838.1	842.3	811.0	804.7	737.7
20°	708.8	710.9	722.2	746.7	782.1	832.3	886.5	908.3	874.6	868.9	781.6
22.5°	719.3	721.7	730.4	750.6	787.7	851.0	931.2	983.7	950.1	941.9	832.1
25°	743.0	746.4	751.6	765.6	797.6	867.5	976.9	1069.1	1034.7	1025.0	887.0
27.5°	779.5	783.7	791.1	797.6	820.0	888.6	1022.3	1164.8	1130.4	1120.1	945.1
30°	824.2	829.7	839.2	843.6	858.9	919.6	1071.8	1263.3	1243.4	1229.2	1010.5
32.5°	885.9	893.6	902.5	903.8	913.0	966.6	1120.6	1361.1	1360.9	1350.9	1084.9
35°	966.4	974.5	976.4	978.2	982.7	1031.3	1179.8	1450.2	1484.6	1473.1	1165.8
37.5°	1054.1	1066.0	1068.9	1060.7	1067.0	1109.1	1246.3	1521.7	1592.4	1580.0	1244.2
40°	1148.0	1152.7	1160.6	1147.7	1155.6	1198.2	1311.4	1567.4	1672.8	1659.7	1305.9
42.5°	1215.3	1223.9	1235.8	1231.0	1235.5	1274.4	1357.2	1589.5	1730.1	1717.0	1350.3
45°	1288.3	1290.9	1298.6	1297.5	1300.1	1336.4	1390.0	1599.2	1781.4	1769.5	1388.2
47.5°	1351.9	1355.9	1360.9	1355.1	1349.3	1372.9	1416.8	1607.6	1840.5	1826.3	1427.9
50°	1413.2	1416.6	1422.6	1405.8	1384.2	1390.3	1430.0	1619.2	1895.9	1886.0	1459.1
52.5°	1424.5	1428.1	1456.5	1459.9	1432.3	1411.0	1453.1	1644.7	1928.5	1922.2	1470.4
55°	1282.3	1288.8	1345.3	1410.3	1478.3	1471.5	1490.2	1658.1	1941.4	1943.0	1490.7
57.5°	995.3	1004.7	1087.3	1176.4	1319.6	1438.1	1494.9	1654.7	1936.9	1945.6	1511.4
60°	652.8	658.3	756.1	856.0	1004.5	1168.5	1338.0	1593.2	1897.3	1909.6	1506.2
62.5°	394.2	400.5	479.1	554.8	642.3	751.9	907.5	1280.4	1590.3	1617.9	1206.3
65°	275.2	283.6	352.4	414.7	444.9	422.3	459.7	715.1	990.8	1002.4	737.2
67.5°	199.5	205.3	261.8	335.9	369.3	298.3	227.3	316.7	431.5	435.7	304.1
70°	130.6	137.2	188.4	255.7	301.4	241.8	170.0	171.4	181.6	183.7	176.6
72.5°	71.7	75.7	116.4	169.8	178.2	144.5	132.7	142.4	149.5	149.5	151.4
75°	37.1	40.5	47.6	56.0	67.5	79.1	95.7	110.1	117.7	118.3	117.5
77.5°	18.9	20.2	25.5	27.6	30.2	35.2	45.7	58.6	65.4	68.1	67.5
80°	8.9	9.5	10.8	12.6	15.5	19.7	24.7	29.4	33.6	34.2	37.1
82.5°	4.7	5.3	5.8	6.8	8.4	10.5	14.5	17.3	20.0	20.5	22.9
85°	1.8	2.1	2.4	2.6	3.7	4.5	6.0	8.1	10.0	10.0	11.8
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.1	1.3	1.8	1.8	3.2
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°	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4
2.5°	578.2	570.6	567.2	561.6	557.2	552.2	548.2	545.3	543.5	542.4	541.4
5°	587.7	576.1	566.9	555.9	548.2	540.9	534.8	530.6	528.5	526.9	525.9
7.5°	602.4	586.9	569.5	552.4	539.0	527.2	519.6	515.1	512.2	511.2	510.4
10°	622.6	601.1	572.4	545.3	525.4	512.5	507.2	505.1	505.4	504.9	504.6
12.5°	645.5	616.0	571.6	532.7	510.6	503.0	503.3	506.7	510.6	511.7	512.0
15°	670.2	630.8	564.0	516.4	499.1	499.9	506.7	514.9	522.2	525.1	525.6
17.5°	697.0	643.1	550.1	498.6	489.6	498.0	510.6	524.1	534.8	539.6	540.9
20°	726.9	653.6	530.4	480.9	480.7	494.6	513.0	530.6	544.3	550.6	551.6
22.5°	758.7	660.2	506.2	464.7	471.5	490.1	511.2	529.6	544.0	550.3	551.6
25°	790.8	662.3	479.6	449.7	462.0	483.1	502.2	517.0	530.6	536.1	537.2
27.5°	820.8	656.2	454.4	436.8	453.4	472.5	485.4	493.3	502.8	507.0	507.8
30°	851.3	644.2	433.1	426.5	443.6	458.1	463.9	464.4	468.1	468.1	468.6
32.5°	882.0	626.3	414.5	416.6	431.5	441.0	441.8	435.7	431.3	423.9	423.7
35°	917.5	608.2	399.2	405.3	417.3	423.1	420.8	409.2	398.4	386.3	385.8
37.5°	950.3	589.5	386.3	393.7	401.3	405.5	400.0	386.1	377.1	364.8	362.9
40°	977.4	572.7	374.0	381.6	385.3	389.0	380.0	368.7	370.0	363.2	362.9
42.5°	993.2	556.4	362.4	368.2	370.6	373.2	365.3	356.9	364.0	358.7	359.0
45°	1004.7	542.2	351.9	354.0	359.8	363.7	356.4	346.9	348.5	328.3	323.5
47.5°	1017.9	534.3	341.9	339.8	350.1	356.9	345.6	331.9	322.5	302.5	300.7
50°	1031.8	531.4	331.4	325.6	338.0	344.5	331.4	314.3	302.0	291.2	290.1
52.5°	1036.5	531.1	318.3	308.5	320.9	330.1	319.1	301.7	287.0	276.5	276.0
55°	1055.2	538.8	301.4	285.2	296.7	315.6	307.5	282.5	270.7	266.0	265.4
57.5°	1077.0	540.1	274.9	259.7	275.7	298.0	287.8	266.2	253.4	247.6	247.0
60°	1068.1	507.8	246.5	240.2	257.8	281.5	272.0	253.4	238.4	232.9	232.3
62.5°	813.9	358.5	225.8	223.4	238.6	257.6	255.7	236.3	222.1	218.1	217.6
65°	489.6	251.8	205.8	205.5	216.3	234.4	236.8	221.0	206.0	200.5	200.5
67.5°	242.1	192.6	183.2	181.9	188.7	201.6	211.6	198.7	186.1	180.8	180.0
70°	171.1	169.8	166.6	162.9	164.3	169.5	173.7	162.9	149.5	144.3	143.2
72.5°	148.0	148.2	146.1	143.2	142.2	138.5	134.8	126.9	118.8	113.3	113.8
75°	114.8	115.4	116.7	115.6	112.7	108.8	104.9	94.9	88.3	83.0	82.0
77.5°	67.0	69.6	73.9	72.8	73.3	67.8	66.2	56.5	50.5	46.8	46.0
80°	37.8	39.4	41.3	42.6	41.0	38.6	35.2	30.0	28.1	25.5	25.0
82.5°	22.9	24.4	25.2	26.3	25.8	22.6	20.0	16.6	15.0	13.7	13.4
85°	11.6	12.6	13.4	13.9	12.4	10.2	9.2	7.4	6.3	5.5	5.5
87.5°	2.9	3.2	3.7	3.2	2.9	1.3	1.1	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)