

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: P629483

Luminaire Tested: GWS-SA1B-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3170.2 lumens
Efficiency: N/A
Efficacy: 126.8 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

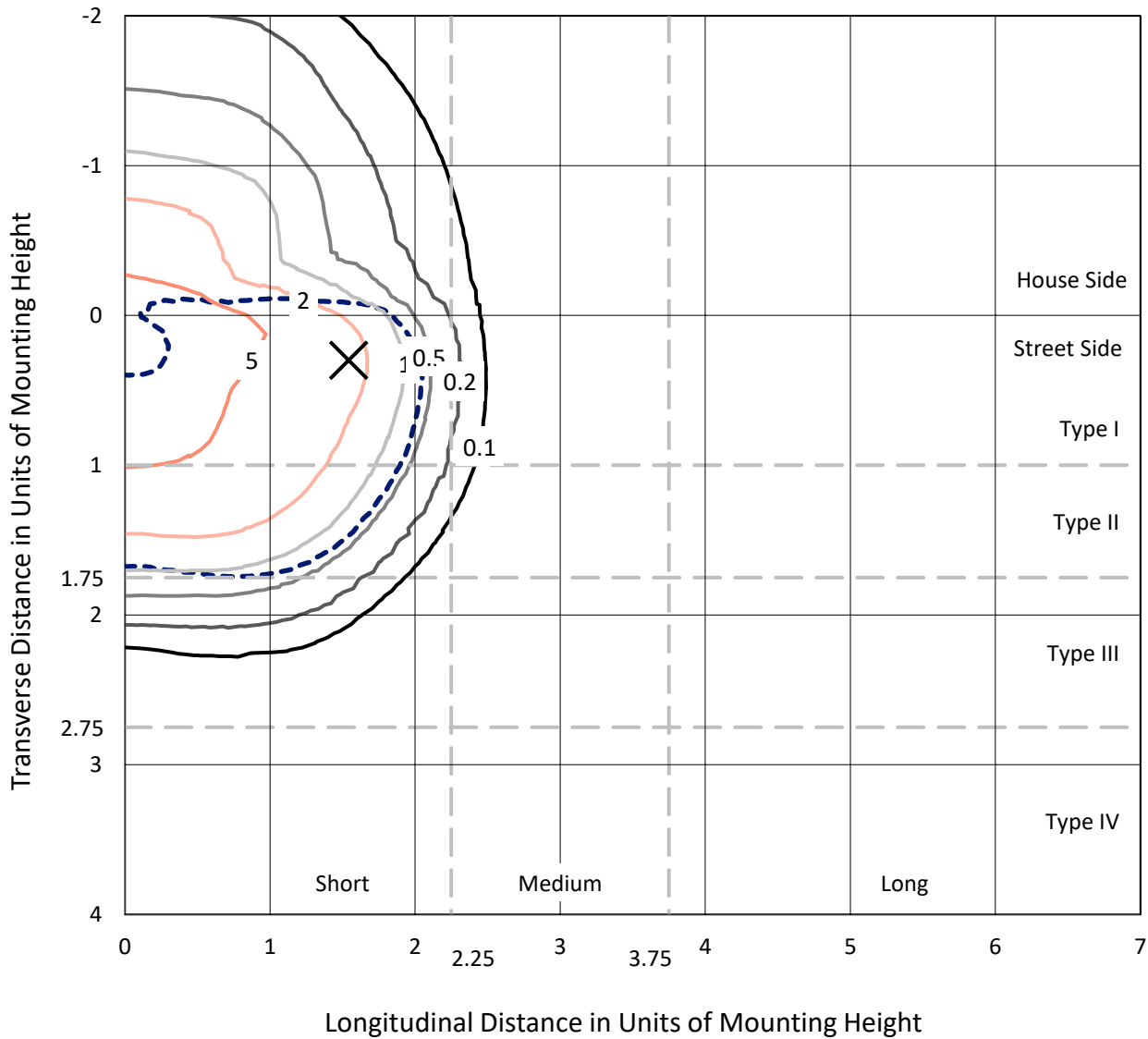
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

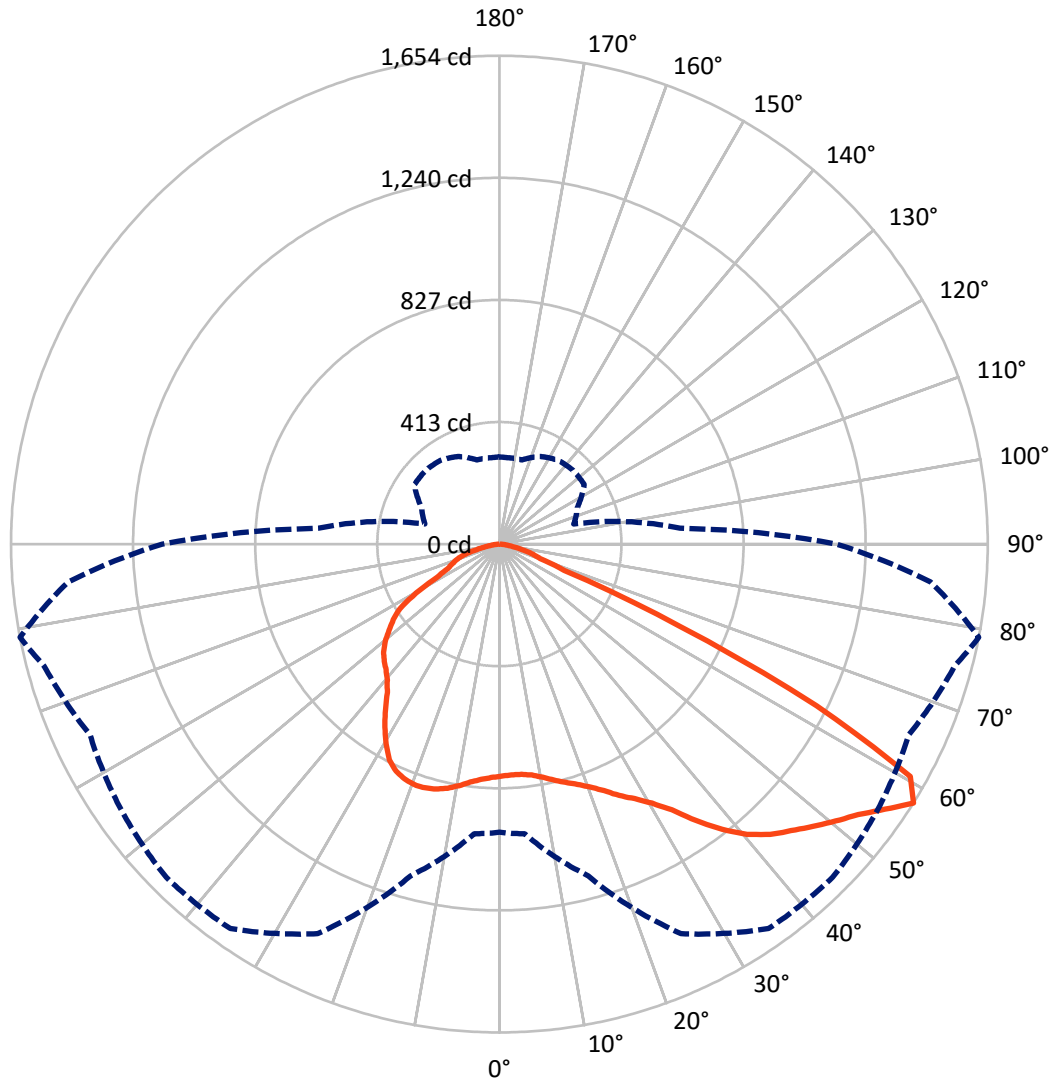
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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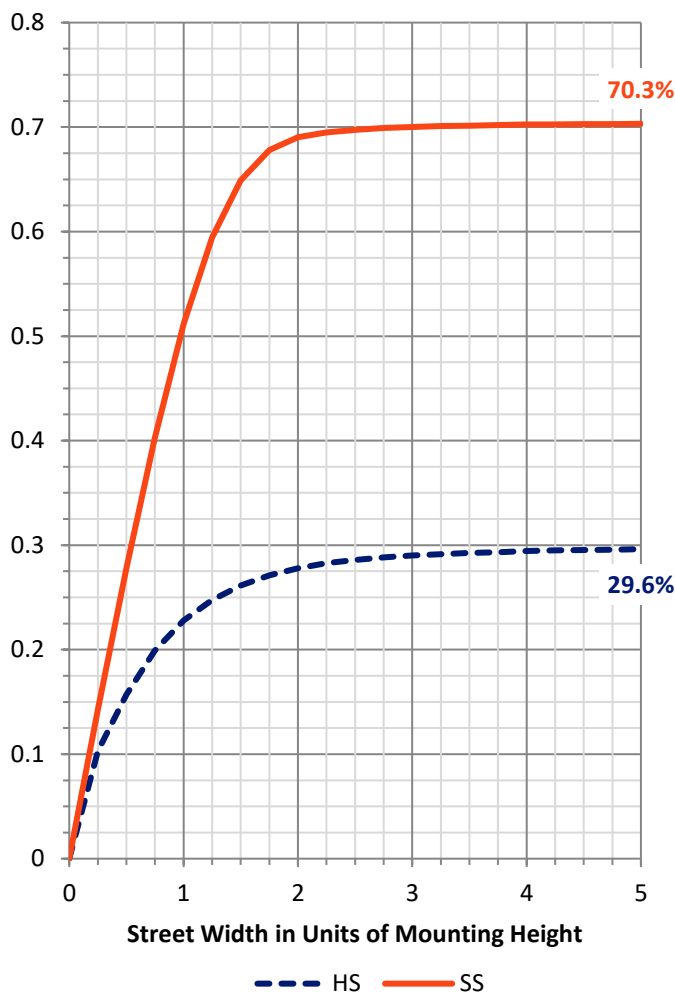
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	942.4	0.0	942.4
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	2227.9	0.0	2227.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	3170.2	0.0	3170.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	2.3
10°-20°	202.2	6.4
20°-30°	342.7	10.8
30°-40°	524.6	16.5
40°-50°	699.5	22.1
50°-60°	807.9	25.5
60°-70°	419.8	13.2
70°-80°	89.2	2.8
80°-90°	11.6	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°	3170.2	100.0
0°-180°	3170.2	100.0

Coefficient of Utilization



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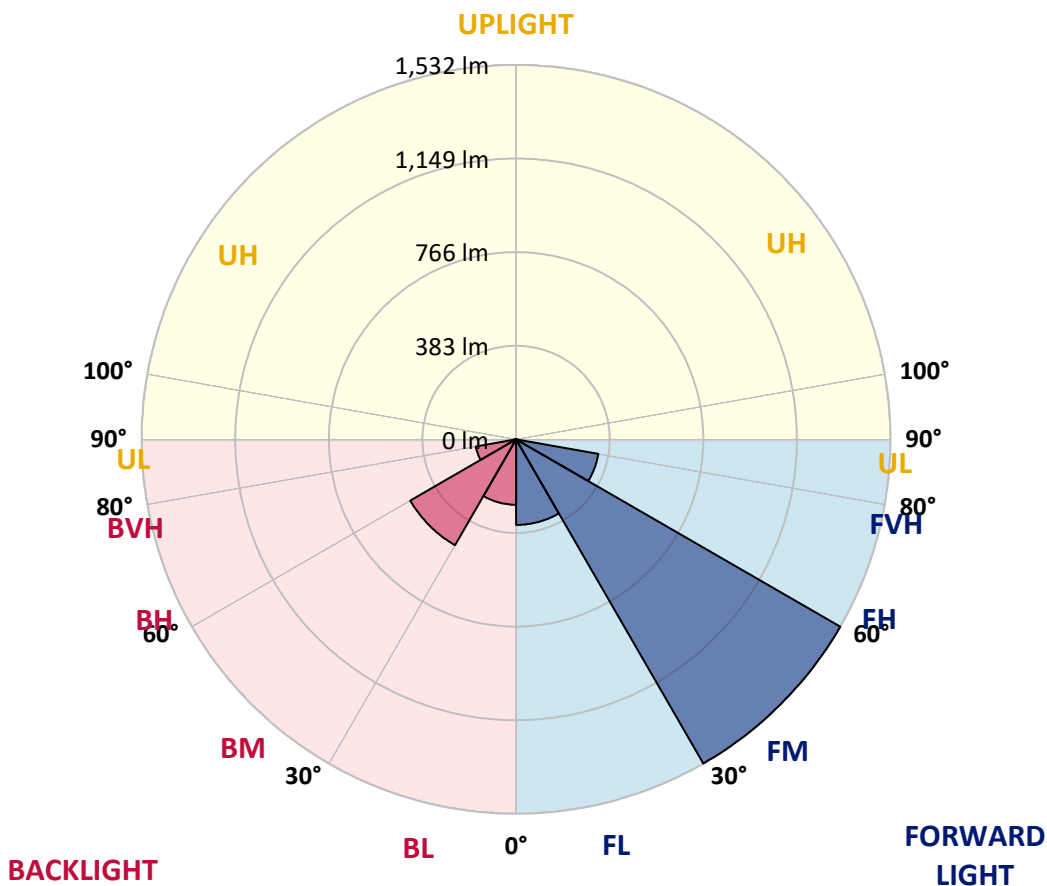
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.1	11.0			
FM (30°-60°)	1531.9	48.3			
FH (60°-80°)	341.8	10.8			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	267.6	8.4	B1/500		
BM (30°-60°)	500.0	15.8	B1/1000		
BH (60°-80°)	167.2	5.3	B1/500		G1/500
BVH (80°-90°)	7.5	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°	75°	79°	85°
0°	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6
2.5°	749.9	748.3	748.8	750.9	758.7	764.4	770.4	775.8	781.0	782.5	783.8
5°	723.2	720.3	721.1	724.5	733.5	743.1	753.8	766.7	779.2	783.3	788.8
7.5°	704.3	703.7	705.0	710.2	719.8	728.9	742.6	761.0	782.5	789.5	799.1
10°	679.1	678.1	683.3	693.9	709.7	724.2	740.5	762.3	792.4	802.8	817.5
12.5°	659.2	658.6	664.1	678.9	699.1	722.1	744.7	769.1	805.6	819.9	838.0
15°	670.8	668.5	668.7	679.1	697.3	724.5	755.1	781.2	818.8	837.0	860.3
17.5°	704.8	700.6	697.5	699.3	709.7	738.0	770.9	797.6	834.1	855.4	883.9
20°	751.7	749.4	740.8	735.1	737.4	762.3	795.8	820.6	854.1	877.9	908.5
22.5°	814.7	809.0	797.3	788.2	781.2	800.7	831.5	853.0	881.8	906.7	938.6
25°	892.7	884.4	866.0	851.7	836.7	856.7	884.1	900.5	919.9	943.0	973.3
27.5°	972.3	965.3	944.8	925.6	907.0	919.4	952.1	961.4	959.3	976.2	1002.1
30°	1057.0	1048.2	1028.8	1008.0	983.9	992.0	1021.3	1025.9	1003.9	1017.9	1035.5
32.5°	1146.5	1137.9	1121.1	1097.0	1069.7	1072.8	1080.9	1085.3	1064.3	1072.3	1085.8
35°	1237.4	1229.4	1212.3	1188.5	1168.5	1149.6	1129.4	1147.0	1134.8	1150.3	1149.3
37.5°	1320.6	1312.6	1302.0	1283.6	1249.4	1212.0	1165.4	1187.2	1206.1	1225.8	1222.4
40°	1376.9	1371.5	1374.0	1371.2	1327.1	1253.3	1183.0	1206.9	1258.4	1292.1	1290.3
42.5°	1425.4	1419.9	1435.0	1445.8	1394.0	1291.4	1191.6	1214.4	1291.9	1344.5	1341.9
45°	1446.9	1445.3	1470.2	1504.7	1455.2	1331.8	1213.6	1229.9	1317.3	1384.7	1374.8
47.5°	1421.2	1426.7	1475.7	1534.0	1506.0	1379.7	1258.7	1262.8	1350.5	1428.2	1400.5
50°	1370.2	1382.1	1448.2	1534.7	1543.0	1433.9	1321.2	1310.8	1395.0	1474.6	1414.0
52.5°	1295.8	1308.2	1416.0	1528.8	1564.3	1496.6	1404.4	1389.6	1451.3	1521.0	1416.3
55°	1124.9	1141.8	1342.4	1515.3	1585.0	1553.7	1498.2	1468.1	1523.9	1584.8	1439.4
57.5°	975.9	984.7	1163.1	1455.4	1589.2	1595.7	1565.1	1529.3	1595.9	1653.7	1465.3
60°	716.2	718.3	878.7	1204.3	1461.9	1571.3	1559.6	1506.5	1561.7	1598.5	1346.6
62.5°	404.6	404.9	532.9	803.8	1092.0	1280.7	1288.0	1241.1	1194.7	1205.6	937.3
65°	151.9	166.2	243.4	395.0	629.6	756.1	786.2	797.1	719.8	671.9	502.6
67.5°	101.6	105.0	142.0	203.2	280.2	323.5	361.8	362.9	265.4	236.7	198.0
70°	77.5	80.9	111.7	145.4	142.0	131.2	141.8	137.9	142.6	146.5	150.6
72.5°	57.8	61.2	86.6	102.6	85.3	84.0	95.1	105.8	115.6	119.8	126.2
75°	38.4	41.0	58.3	55.0	47.2	55.7	69.5	80.1	85.8	90.7	95.6
77.5°	24.4	26.2	31.1	25.1	26.2	32.7	40.4	50.0	55.5	60.4	63.0
80°	11.1	10.9	10.6	11.9	14.8	19.2	24.4	30.1	34.2	36.3	37.8
82.5°	4.4	4.9	5.4	6.5	8.0	10.4	13.7	17.6	21.0	21.5	22.8
85°	1.8	2.1	2.3	2.9	3.6	4.7	5.7	8.0	10.1	10.9	11.7
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.3	2.3	2.6	2.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6	785.6
2.5°	790.8	787.5	793.2	797.1	800.7	796.8	795.5	792.1	791.6	791.6	793.4
5°	798.1	795.8	801.7	804.1	803.8	795.2	790.1	783.3	779.9	779.9	780.5
7.5°	811.1	809.8	813.1	809.5	801.2	783.8	766.7	752.5	742.9	738.0	739.5
10°	832.6	831.0	828.2	814.7	790.8	754.8	719.8	693.9	678.3	669.5	670.0
12.5°	853.6	851.0	840.9	811.1	762.1	704.8	658.9	629.9	612.8	602.4	600.1
15°	876.6	869.9	848.1	792.4	715.1	643.6	595.7	564.3	545.9	539.7	539.4
17.5°	898.7	886.7	847.3	759.2	658.9	579.6	531.4	511.9	508.8	511.7	512.4
20°	921.0	901.8	838.8	713.3	592.0	515.8	490.9	499.0	510.6	518.4	520.2
22.5°	944.0	914.2	819.3	654.2	521.5	472.8	483.2	500.8	515.3	525.7	526.7
25°	969.9	925.9	790.3	581.9	465.0	460.9	481.3	500.0	515.6	527.5	529.6
27.5°	984.7	926.1	749.6	507.5	439.1	456.2	476.9	494.6	510.1	523.1	525.4
30°	999.2	919.1	685.1	447.1	431.6	450.8	469.4	485.7	500.5	513.2	516.1
32.5°	1019.7	912.7	610.7	412.4	427.2	445.6	460.9	475.4	486.8	492.5	494.0
35°	1045.1	904.4	531.6	397.4	424.3	441.4	454.9	462.7	447.9	444.8	448.2
37.5°	1080.6	896.6	452.8	390.9	422.5	439.9	451.8	431.8	413.7	406.4	409.0
40°	1119.0	892.2	399.4	385.7	423.3	441.4	438.8	409.3	383.1	367.8	367.3
42.5°	1151.6	885.4	365.2	382.3	425.4	447.4	421.2	389.3	350.4	341.4	341.6
45°	1173.7	868.3	347.1	378.7	427.2	448.7	412.9	361.8	334.1	328.4	328.2
47.5°	1182.8	837.2	335.4	373.0	426.9	438.1	396.1	350.4	322.7	321.2	322.2
50°	1176.8	786.2	323.5	361.8	420.7	426.9	376.6	340.3	314.9	323.5	329.7
52.5°	1154.8	720.1	309.2	346.6	409.5	414.2	366.8	334.1	309.2	320.6	325.6
55°	1149.1	666.4	291.1	326.6	393.0	391.7	356.4	331.0	305.3	300.9	301.7
57.5°	1141.5	614.1	261.0	290.8	351.0	353.0	346.6	327.4	295.2	293.9	295.2
60°	991.7	470.7	232.8	250.9	288.2	299.4	335.4	320.6	278.9	273.5	273.2
62.5°	647.8	285.1	207.1	218.8	234.8	247.8	305.9	301.2	261.0	257.6	260.0
65°	348.4	203.2	188.4	195.4	204.3	214.1	253.5	268.3	235.9	224.0	224.2
67.5°	178.1	172.9	174.4	179.4	186.1	191.0	204.5	217.5	201.1	191.0	190.8
70°	152.4	156.6	158.9	161.7	166.2	165.4	166.7	169.0	167.7	162.8	162.5
72.5°	129.9	136.3	136.9	137.4	138.9	135.3	133.0	129.1	129.3	130.1	130.4
75°	98.8	105.0	106.5	105.8	107.3	102.6	99.5	95.6	91.0	90.2	90.7
77.5°	64.3	69.2	71.5	71.0	71.8	68.2	66.6	62.5	57.0	55.0	55.0
80°	38.9	41.7	43.5	44.1	44.8	42.3	39.7	36.0	33.7	31.4	31.4
82.5°	23.6	25.4	26.7	26.7	27.5	24.6	22.6	20.0	18.9	16.8	16.8
85°	11.9	13.2	13.7	13.5	13.0	10.6	9.8	8.6	8.0	7.0	7.0
87.5°	2.9	3.6	3.6	2.6	2.6	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)