

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: P629368

Luminaire Tested: GWS-SA1B-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-740-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

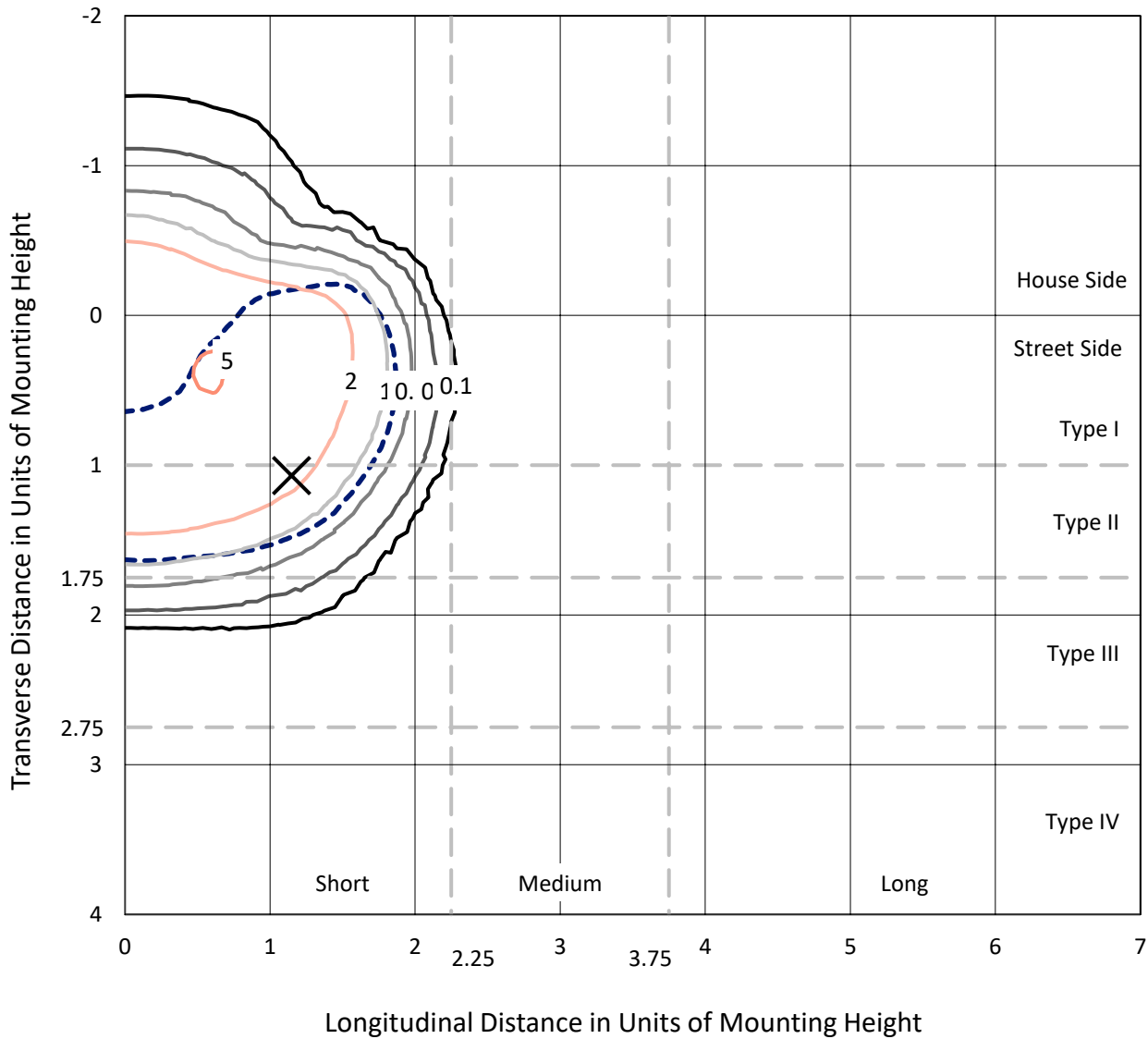
Lumens per Lamp: N/A  
Luminaire Lumens: 2213.2 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P629368  
 CATALOG NUMBER: GWS-SA1B-740-U-T3-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

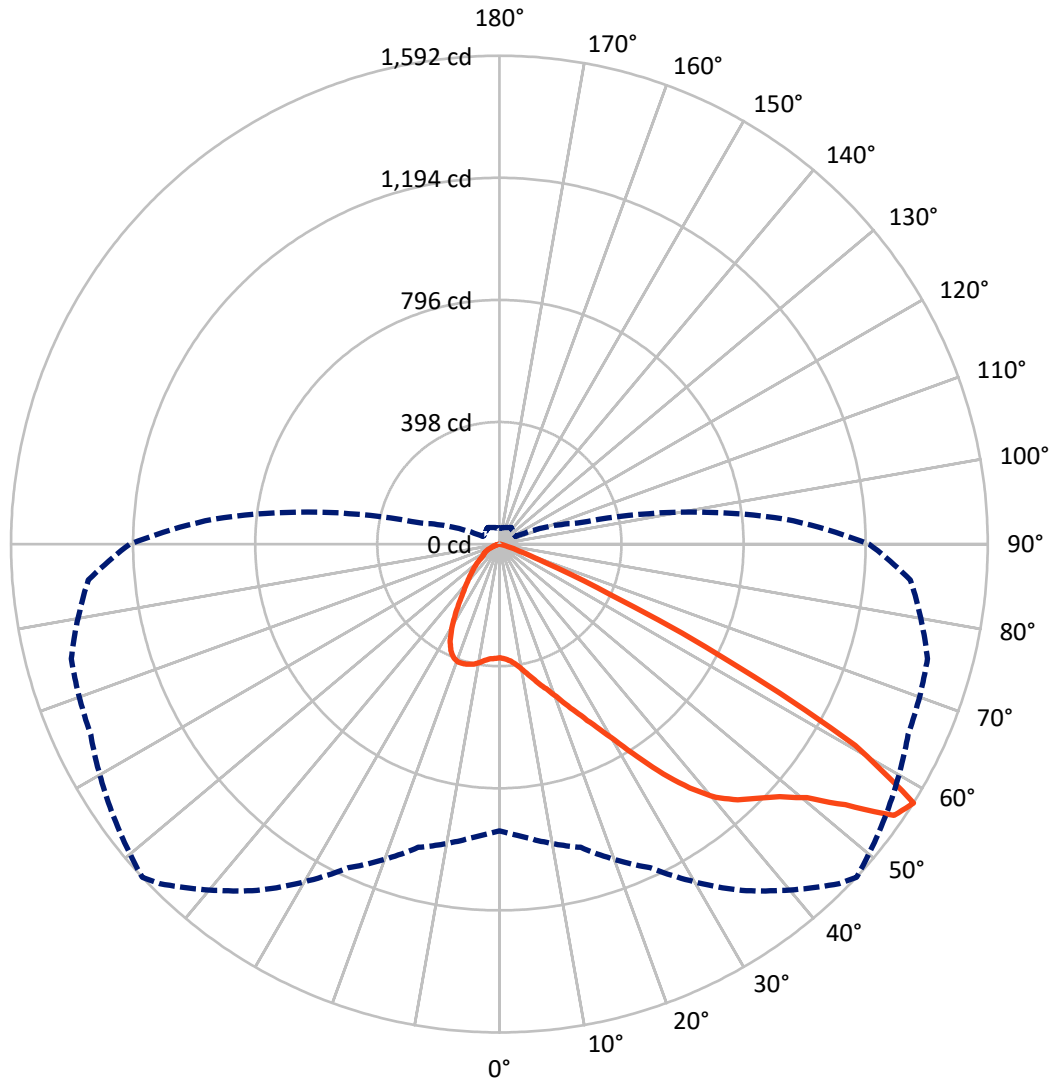
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P629368  
CATALOG NUMBER: GWS-SA1B-740-U-T3-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical



REPORT NUMBER: P629368  
 CATALOG NUMBER: GWS-SA1B-740-U-T3-W-GRSBK

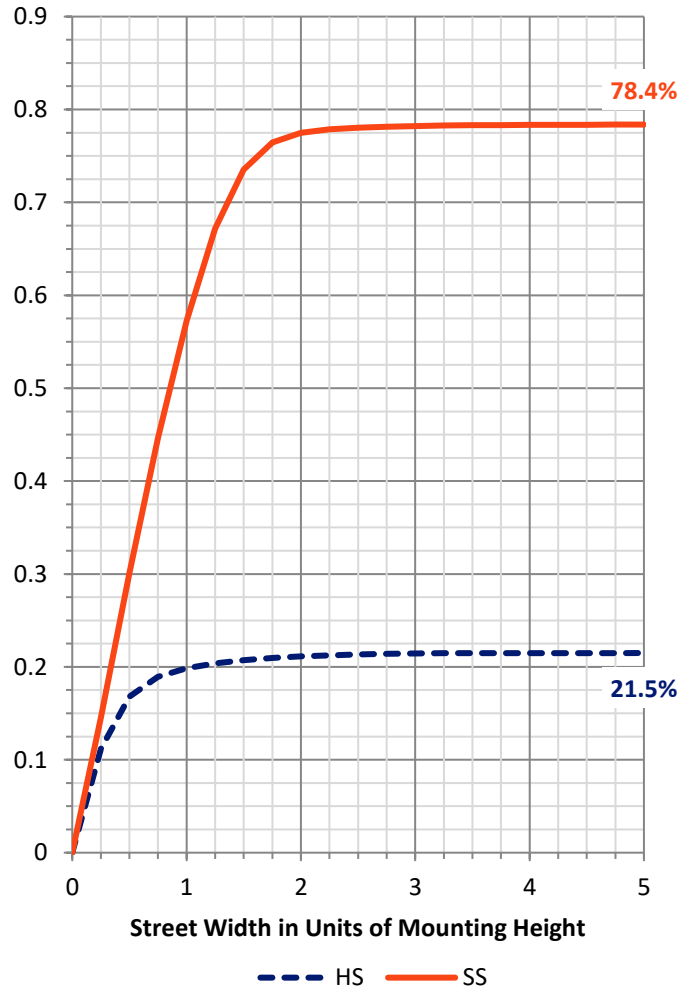
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	480.1	0.0	480.1
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1733.1	0.0	1733.1
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	2213.2	0.0	2213.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.9	1.7
10°-20°	124.4	5.6
20°-30°	230.9	10.4
30°-40°	369.7	16.7
40°-50°	540.4	24.4
50°-60°	666.9	30.1
60°-70°	222.8	10.1
70°-80°	20.8	0.9
80°-90°	0.4	0.0
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°	2213.2	100.0
0°-180°	2213.2	100.0

**Coefficient of Utilization**



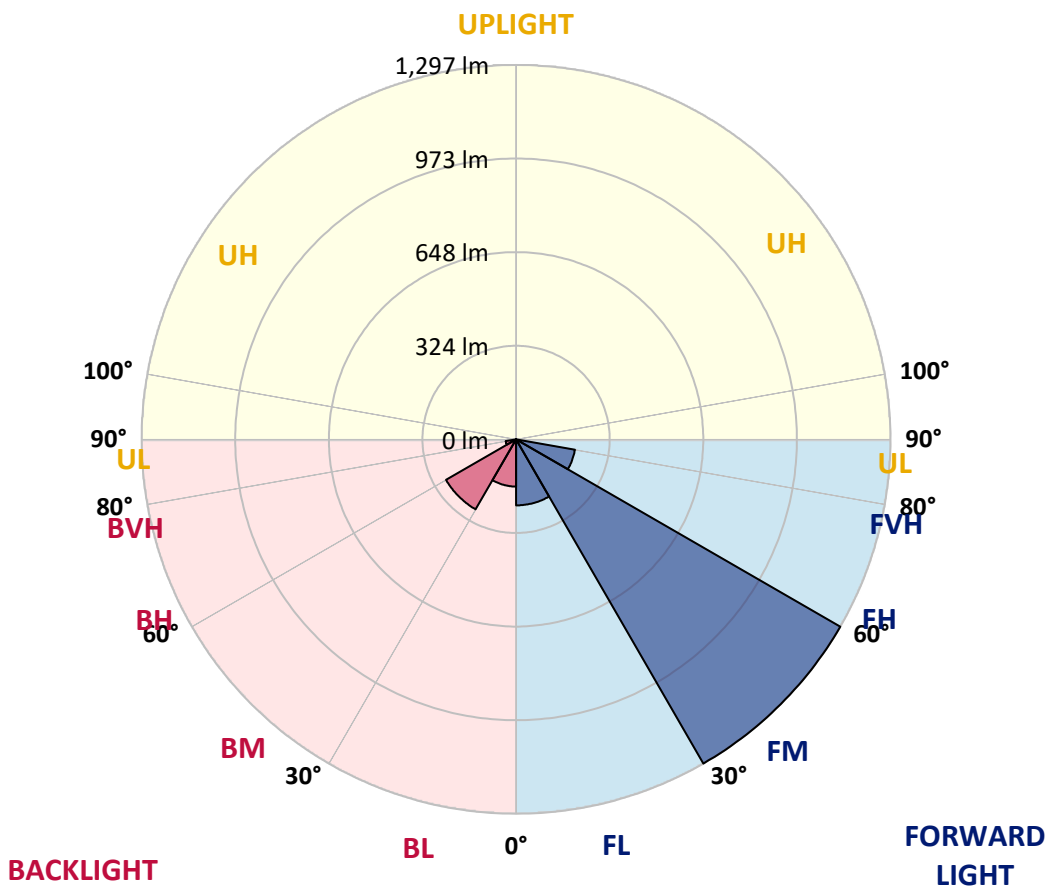
REPORT NUMBER: P629368

CATALOG NUMBER: GWS-SA1B-740-U-T3-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.7	10.3			
FM (30°-60°)	1296.9	58.6			
FH (60°-80°)	207.1	9.4			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	163.4	7.4	B1/500		
BM (30°-60°)	280.1	12.7	B1/1000		
BH (60°-80°)	36.5	1.6	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





REPORT NUMBER: P629368

CATALOG NUMBER: GWS-SA1B-740-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5
2.5°	374.3	374.1	373.8	375.4	374.9	374.6	375.1	375.1	375.1	373.6	370.5
5°	383.3	383.3	383.1	384.6	383.3	382.6	382.8	382.8	381.8	379.0	375.1
7.5°	397.5	397.0	396.4	398.0	396.7	396.4	397.0	395.4	393.6	389.0	383.6
10°	417.8	417.8	417.0	418.5	417.5	417.0	417.0	416.0	412.6	405.4	397.5
12.5°	445.8	444.5	442.7	441.4	440.9	440.6	440.9	439.3	435.8	426.5	415.5
15°	476.3	475.3	472.5	470.4	467.6	467.1	468.6	467.4	463.8	451.2	435.5
17.5°	514.9	516.2	509.0	504.6	496.4	495.9	496.4	498.4	495.9	479.7	456.8
20°	547.8	548.8	543.4	540.3	532.9	529.5	530.6	533.9	531.1	512.1	480.2
22.5°	583.0	584.3	578.6	572.2	568.8	568.8	572.7	577.3	573.5	548.5	506.9
25°	625.1	626.1	621.5	613.0	607.1	614.6	620.2	632.6	626.1	592.2	538.5
27.5°	673.4	673.7	667.0	658.3	655.2	669.0	674.7	693.7	691.1	641.3	571.9
30°	725.1	725.3	723.8	717.9	715.0	733.3	741.0	768.5	766.7	702.2	617.4
32.5°	778.8	778.8	781.6	781.1	784.4	814.2	826.5	857.9	856.1	776.7	673.9
35°	832.7	833.0	837.8	850.2	864.1	903.6	919.8	957.8	953.7	865.9	746.1
37.5°	894.1	891.5	898.2	916.7	947.6	993.3	1008.7	1044.9	1040.3	957.1	840.4
40°	968.1	963.5	963.5	985.1	1020.0	1072.7	1085.8	1103.8	1088.1	1030.8	932.9
42.5°	1049.8	1045.4	1039.8	1058.8	1088.1	1129.2	1140.0	1135.1	1122.3	1100.4	1038.3
45°	1132.5	1125.9	1129.7	1141.3	1158.2	1177.8	1181.9	1159.3	1153.4	1159.5	1125.4
47.5°	1195.5	1190.9	1200.4	1216.6	1230.4	1233.3	1230.4	1199.1	1198.6	1220.4	1185.7
50°	1216.6	1217.1	1243.3	1278.7	1301.1	1303.4	1299.5	1263.6	1258.7	1265.1	1218.4
52.5°	1218.6	1220.7	1259.0	1326.5	1387.4	1415.2	1412.1	1373.3	1325.5	1318.6	1267.7
55°	1169.0	1181.1	1234.5	1333.2	1462.7	1551.3	1561.6	1487.4	1416.5	1410.5	1373.8
57.5°	934.5	959.1	1023.6	1164.1	1378.7	1565.5	1592.2	1538.7	1470.1	1445.0	1345.3
60°	558.6	589.1	651.1	823.5	1049.3	1286.7	1332.7	1340.1	1308.5	1235.8	1032.1
62.5°	239.7	237.1	313.5	445.5	624.1	817.8	838.6	871.0	898.5	822.4	626.4
65°	82.2	89.4	124.4	200.9	312.4	379.7	398.2	427.3	466.3	384.9	229.4
67.5°	50.9	54.0	71.7	118.7	168.5	166.0	157.8	153.1	149.0	102.0	62.9
70°	37.0	39.6	50.4	81.7	113.3	79.6	69.1	56.0	62.2	57.3	44.7
72.5°	24.9	27.0	34.7	49.6	58.1	38.8	36.0	40.9	49.3	47.0	36.5
75°	14.9	16.2	19.8	24.2	23.6	20.0	20.3	28.8	37.8	35.2	25.9
77.5°	10.3	10.8	13.1	15.7	11.6	6.2	5.7	8.0	12.8	12.8	8.7
80°	2.6	3.3	3.3	2.1	1.8	1.5	1.5	2.3	3.6	2.6	1.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
87.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629368

CATALOG NUMBER: GWS-SA1B-740-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5	370.5
2.5°	372.3	369.2	371.3	370.7	372.3	372.8	370.5	370.0	370.2	367.2	366.1
5°	375.9	372.3	373.3	372.3	374.1	375.6	374.9	375.9	377.2	374.9	373.8
7.5°	383.6	380.0	379.7	378.2	380.8	381.8	381.5	384.4	386.9	385.4	383.9
10°	397.0	392.1	391.6	390.3	391.0	391.8	389.0	389.5	391.8	390.0	389.2
12.5°	413.4	407.5	406.2	403.1	403.1	399.3	393.1	391.8	393.6	392.3	391.0
15°	431.1	423.2	421.1	415.7	410.6	403.4	397.0	395.4	396.7	395.2	394.1
17.5°	450.9	441.9	435.2	425.7	414.4	405.9	398.8	395.4	393.4	390.3	390.0
20°	470.4	458.6	447.3	432.2	417.3	404.4	392.6	383.9	376.4	371.8	370.0
22.5°	493.0	475.6	457.3	436.0	414.7	395.2	374.3	359.4	346.6	342.2	340.2
25°	517.2	494.6	467.4	439.6	405.9	374.6	346.3	324.2	307.3	301.6	299.3
27.5°	543.9	512.8	477.6	438.8	388.0	345.3	307.8	280.3	263.6	258.5	260.3
30°	577.8	536.5	490.5	430.9	361.0	304.2	260.3	237.1	224.6	219.7	219.9
32.5°	623.1	570.4	509.2	413.9	326.3	257.4	218.9	201.9	193.5	187.0	186.5
35°	687.8	622.0	526.7	386.7	284.2	215.8	187.8	174.5	162.6	155.2	156.5
37.5°	765.4	687.0	536.2	349.9	236.9	183.4	164.4	150.8	137.5	126.4	127.7
40°	857.4	772.1	535.4	301.6	193.7	161.4	144.9	129.0	112.3	102.3	103.3
42.5°	959.9	852.5	518.7	250.5	160.6	143.4	126.2	106.1	89.9	83.8	84.0
45°	1048.8	917.8	489.5	197.6	135.1	125.9	106.6	86.1	78.9	74.5	74.3
47.5°	1114.6	965.5	447.6	155.4	114.6	110.0	87.6	77.1	71.4	67.8	67.3
50°	1151.3	982.2	401.3	121.8	96.9	93.3	78.4	69.9	66.0	63.7	63.2
52.5°	1200.6	1002.3	368.2	96.1	81.2	76.3	72.2	65.0	62.4	60.6	59.9
55°	1278.7	1041.1	339.4	76.3	67.6	66.5	68.1	62.2	60.6	57.8	56.8
57.5°	1205.3	935.2	263.6	59.1	57.0	60.9	65.8	59.4	55.5	52.9	51.9
60°	848.1	621.8	132.6	47.5	50.9	57.0	61.9	53.7	49.8	50.4	49.8
62.5°	467.6	311.1	59.6	39.8	44.2	50.4	52.9	46.5	43.9	48.3	49.1
65°	152.9	105.9	34.4	30.8	34.9	41.1	45.7	44.2	43.7	48.8	50.4
67.5°	47.0	34.9	23.4	22.1	24.2	30.3	38.5	47.8	51.4	52.9	53.7
70°	35.2	27.5	20.0	18.8	19.8	23.1	32.6	39.8	37.5	37.8	37.3
72.5°	28.3	21.8	17.2	16.4	16.4	15.9	17.2	21.6	24.4	25.7	25.7
75°	19.8	15.4	13.1	12.1	9.5	7.7	6.9	6.9	6.2	5.9	5.7
77.5°	6.7	5.7	5.1	4.1	2.8	2.3	2.1	1.8	1.3	0.8	0.5
80°	1.0	0.8	0.5	0.5	0.5	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.0	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)