

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: P629317

Luminaire Tested: GWS-SA1B-735-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2217.1 lumens
Efficiency: N/A
Efficacy: 88.7 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

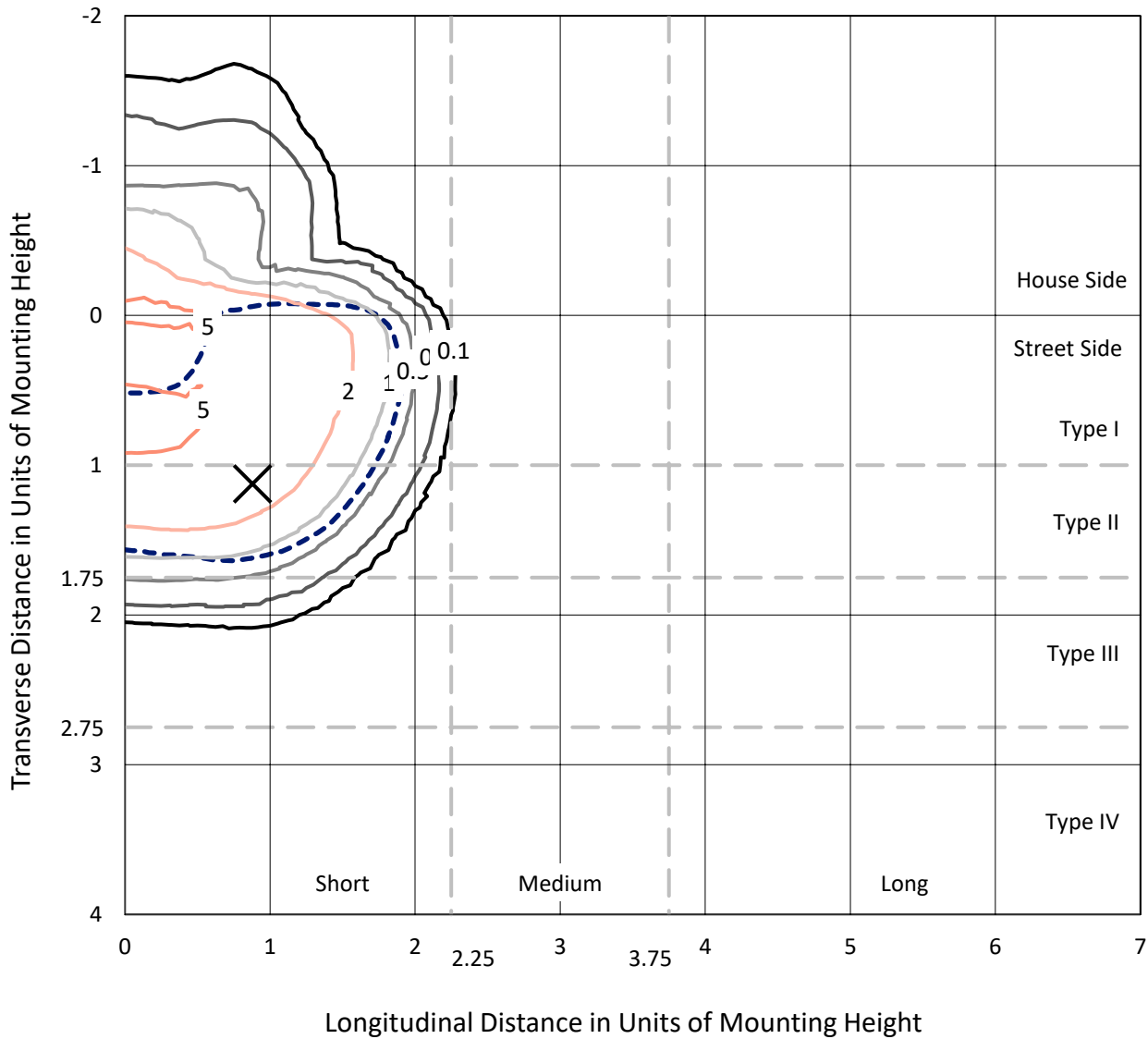
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

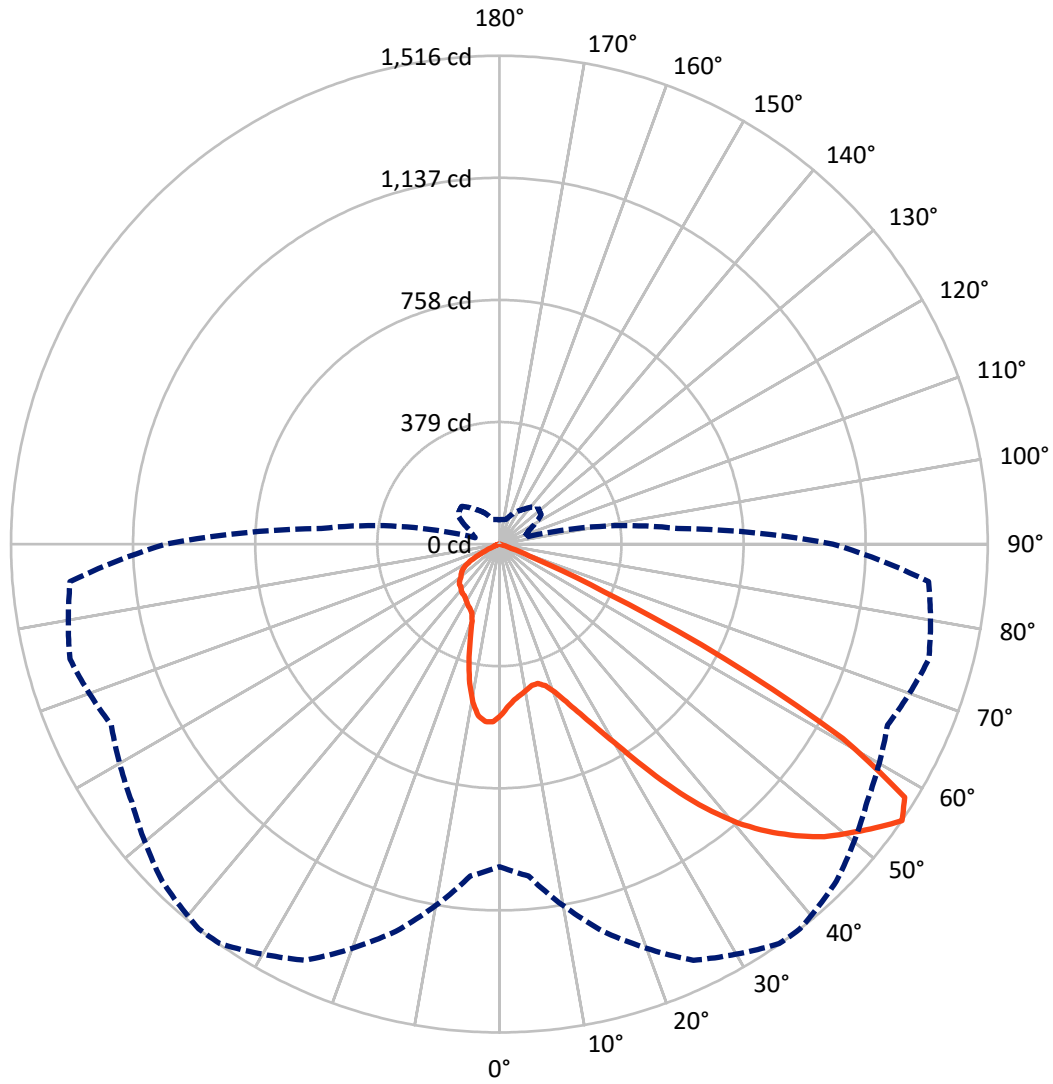
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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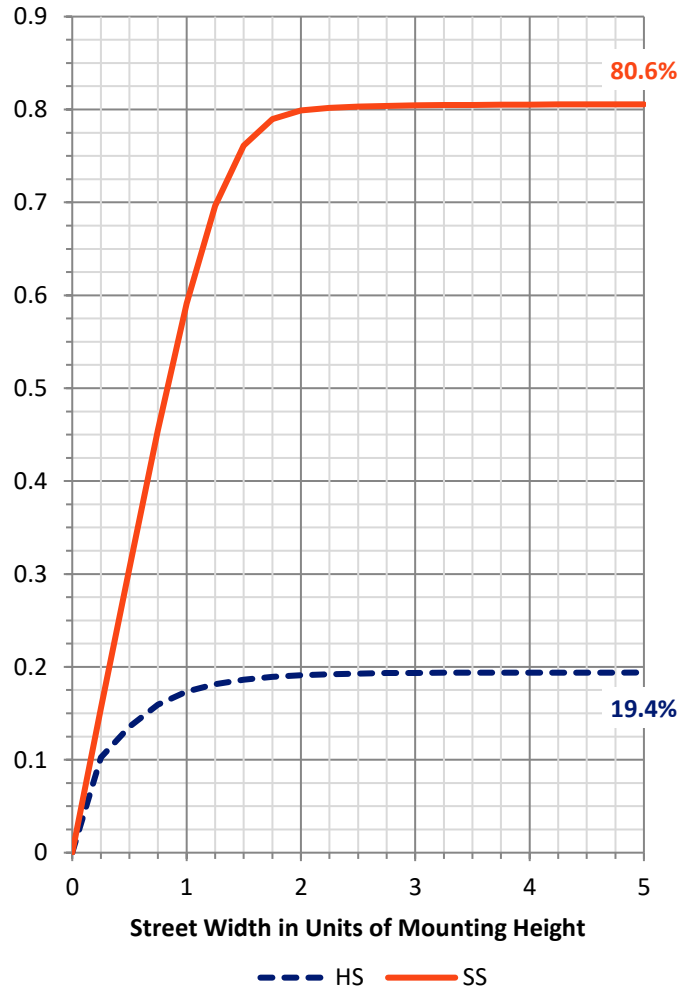
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	432.0	0.0	432.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	1785.2	0.0	1785.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	2217.1	0.0	2217.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	2.2
10°-20°	132.3	6.0
20°-30°	227.1	10.2
30°-40°	376.7	17.0
40°-50°	553.7	25.0
50°-60°	647.1	29.2
60°-70°	219.3	9.9
70°-80°	11.2	0.5
80°-90°	0.5	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°	2217.1	100.0
0°-180°	2217.1	100.0

Coefficient of Utilization



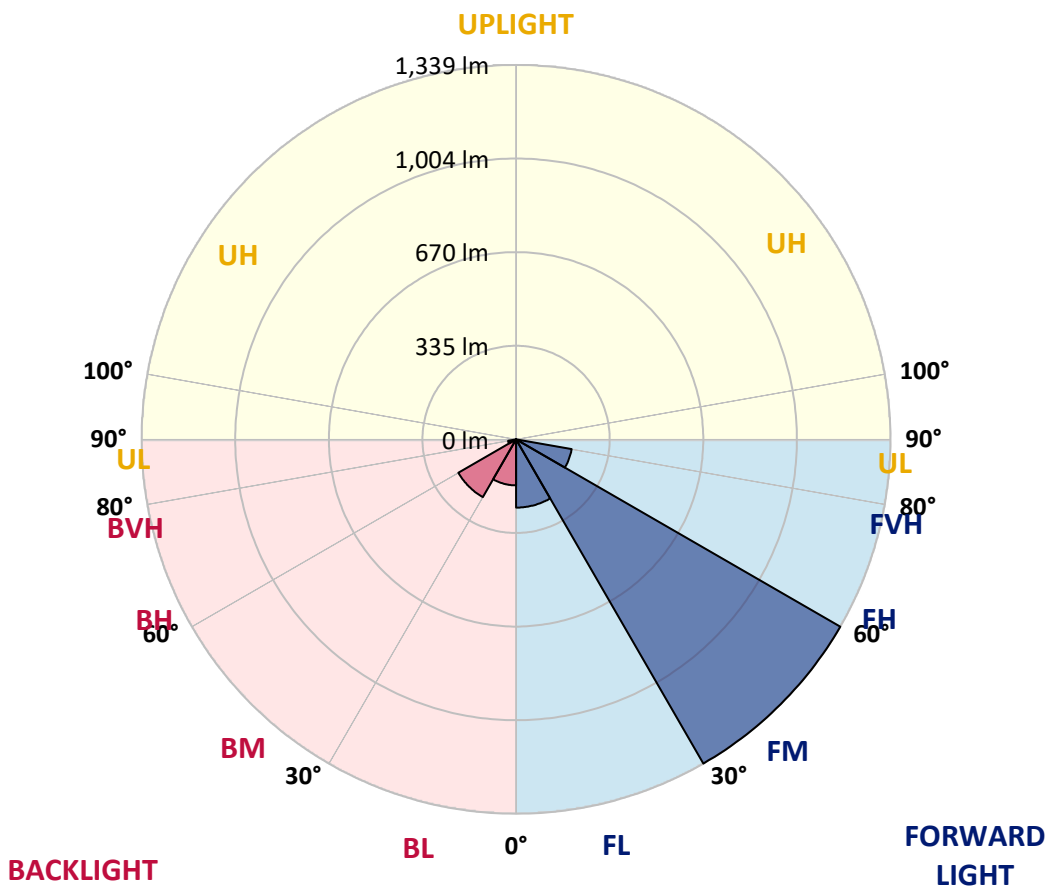
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.1	11.0			
FM (30°-60°)	1339.1	60.4			
FH (60°-80°)	201.8	9.1			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	164.6	7.4	B1/500		
BM (30°-60°)	238.4	10.8	B1/1000		
BH (60°-80°)	28.8	1.3	B0/110		G0/110
BVH (80°-90°)	0.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	531.7	531.7	531.7	531.7	531.7	531.7	531.7	531.7	531.7	531.7	531.7
2.5°	495.2	494.2	496.2	500.3	504.1	505.3	509.1	514.4	517.7	525.6	531.9
5°	472.9	472.4	474.4	478.0	483.0	484.8	490.6	499.5	508.4	522.0	535.5
7.5°	452.6	452.4	455.4	463.3	470.6	472.9	480.0	490.9	502.8	523.8	543.6
10°	426.0	426.3	432.1	443.2	456.7	461.2	472.6	488.3	503.8	530.9	558.3
12.5°	417.4	417.9	420.9	429.5	444.2	450.1	466.0	489.9	509.6	541.1	577.3
15°	438.4	438.4	435.9	436.9	443.5	448.8	465.5	494.9	519.5	553.2	596.0
17.5°	479.2	477.7	471.4	462.7	460.5	462.2	475.7	505.8	533.5	567.4	617.3
20°	534.5	535.0	522.6	504.6	490.1	489.9	498.0	525.1	553.5	584.4	640.4
22.5°	601.4	599.3	582.9	558.3	533.2	531.2	534.5	554.5	582.4	611.3	668.8
25°	678.9	677.9	654.6	621.6	588.4	583.6	583.6	603.4	623.7	649.5	702.7
27.5°	760.0	760.0	737.5	699.4	655.3	646.7	645.5	668.8	682.2	687.3	731.4
30°	843.4	842.4	820.1	781.0	733.9	725.0	721.5	738.7	748.4	733.1	767.1
32.5°	928.0	929.8	907.2	871.0	828.9	823.1	812.2	812.2	820.1	798.8	823.4
35°	1019.0	1018.5	1000.8	976.2	940.2	933.6	915.6	887.5	899.4	890.0	901.2
37.5°	1099.3	1103.1	1094.5	1076.3	1047.1	1040.5	1010.9	960.0	969.1	983.8	993.7
40°	1180.9	1184.0	1192.6	1186.8	1150.0	1137.9	1085.1	1001.5	1011.7	1062.1	1090.5
42.5°	1261.0	1262.5	1280.0	1289.7	1240.5	1219.2	1141.4	1026.9	1037.5	1123.4	1173.1
45°	1312.0	1315.3	1344.1	1373.5	1320.3	1291.2	1190.3	1059.3	1063.9	1166.0	1234.2
47.5°	1309.9	1317.5	1371.8	1425.2	1389.0	1357.6	1249.1	1111.3	1103.6	1206.0	1274.5
50°	1269.1	1278.3	1356.1	1441.0	1438.4	1409.3	1314.5	1186.5	1162.7	1241.5	1279.5
52.5°	1184.5	1210.8	1328.4	1443.0	1478.2	1463.5	1395.3	1287.9	1242.5	1292.4	1287.6
55°	1001.5	1034.0	1244.6	1425.7	1514.2	1516.0	1480.2	1393.6	1329.2	1380.1	1337.6
57.5°	760.3	786.1	957.9	1269.1	1454.6	1483.8	1513.2	1449.3	1382.7	1439.9	1349.2
60°	458.2	488.1	599.8	931.3	1174.9	1224.5	1339.8	1327.4	1247.1	1271.7	1106.4
62.5°	185.8	201.5	277.0	513.2	739.5	785.9	896.4	915.1	895.3	870.2	671.1
65°	67.9	74.3	111.0	212.1	340.1	357.1	415.4	448.6	475.9	405.2	249.6
67.5°	42.1	46.1	72.2	109.0	123.7	115.1	117.1	139.6	133.3	82.4	44.6
70°	31.2	34.5	56.5	75.5	49.9	38.5	26.1	27.9	25.1	22.0	21.8
72.5°	21.5	24.6	42.3	44.6	19.3	13.7	9.6	13.4	15.2	15.0	15.5
75°	14.2	16.5	26.6	17.5	4.8	3.8	3.3	7.1	9.1	9.1	9.4
77.5°	8.4	9.6	9.4	3.5	1.0	1.0	0.8	1.3	2.0	2.3	2.8
80°	1.0	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
82.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
85°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	0.8
87.5°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	0.8
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°	531.7	531.7	531.7	531.7	531.7	531.7	531.7	531.7	531.7	531.7	531.7
2.5°	536.7	535.0	542.3	547.6	552.0	554.0	551.2	550.9	550.9	545.4	543.8
5°	543.1	543.8	554.2	558.8	559.6	557.0	550.7	546.4	543.8	538.0	534.7
7.5°	555.2	557.8	567.7	566.9	560.1	548.4	531.7	518.8	510.4	501.3	495.7
10°	572.7	577.5	583.6	573.0	551.2	521.5	487.1	462.5	447.8	437.4	431.1
12.5°	594.0	598.8	596.8	571.7	526.4	473.4	429.0	393.6	376.6	367.2	360.6
15°	615.6	618.6	605.4	556.5	482.5	411.3	361.9	326.7	305.9	298.3	292.7
17.5°	637.6	636.8	606.9	526.6	424.0	341.4	292.7	268.6	262.8	261.5	261.0
20°	660.7	653.8	600.9	483.8	353.5	272.2	244.6	246.1	256.7	261.8	262.8
22.5°	687.0	669.8	585.7	425.7	281.6	226.8	229.6	244.6	259.0	265.8	266.9
25°	715.2	684.5	560.3	351.2	222.0	208.6	225.0	242.3	257.7	266.1	267.1
27.5°	733.7	688.0	518.8	276.2	190.6	201.5	219.0	235.4	251.4	260.5	261.8
30°	753.7	686.5	462.2	212.9	179.9	195.4	210.6	225.5	240.2	250.4	251.4
32.5°	783.1	685.5	393.3	172.8	175.6	190.6	201.7	214.1	224.3	230.1	229.3
35°	821.6	684.2	313.0	155.9	173.1	186.8	195.6	201.5	190.3	186.8	187.5
37.5°	871.0	687.3	245.3	148.8	172.3	185.8	193.4	176.6	159.4	152.8	151.8
40°	925.7	695.1	187.0	146.0	174.9	188.3	184.7	157.1	135.8	122.9	120.1
42.5°	980.7	703.8	148.0	145.0	179.2	195.4	170.6	142.9	111.0	103.6	102.6
45°	1021.5	702.2	128.0	143.2	183.0	199.4	166.8	122.7	99.1	95.8	96.0
47.5°	1042.1	685.5	117.1	139.1	184.5	195.4	157.4	114.3	91.0	94.5	97.6
50°	1031.2	642.2	106.9	131.3	181.2	190.1	142.4	108.0	86.9	101.6	108.5
52.5°	1018.0	589.0	95.8	119.1	173.3	182.7	136.6	106.2	84.4	98.1	103.1
55°	1035.5	555.2	77.5	100.4	157.9	165.5	132.0	105.9	78.6	76.3	75.5
57.5°	1010.9	488.1	55.5	72.2	121.1	131.0	128.7	104.2	69.7	69.4	70.5
60°	781.3	297.8	38.0	45.9	74.3	83.6	116.8	99.6	60.1	55.2	55.5
62.5°	444.0	126.7	26.1	28.4	38.0	45.1	89.2	90.5	55.5	52.7	55.5
65°	154.6	45.4	20.3	19.0	21.0	24.1	51.2	69.9	50.4	45.6	46.1
67.5°	31.9	22.6	18.0	15.7	15.7	15.7	26.1	43.6	41.6	36.2	36.7
70°	20.3	19.3	15.7	13.4	12.9	11.9	15.0	24.1	28.6	26.4	26.6
72.5°	15.0	14.7	12.4	10.9	9.6	8.6	9.4	11.9	14.7	15.2	15.5
75°	9.1	9.4	8.1	6.8	6.1	5.3	5.6	5.6	5.6	5.1	5.6
77.5°	2.8	3.0	2.5	2.0	1.8	1.8	1.8	1.5	1.3	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	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)