

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: P629294

Luminaire Tested: GWS-SA1B-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2785.2 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

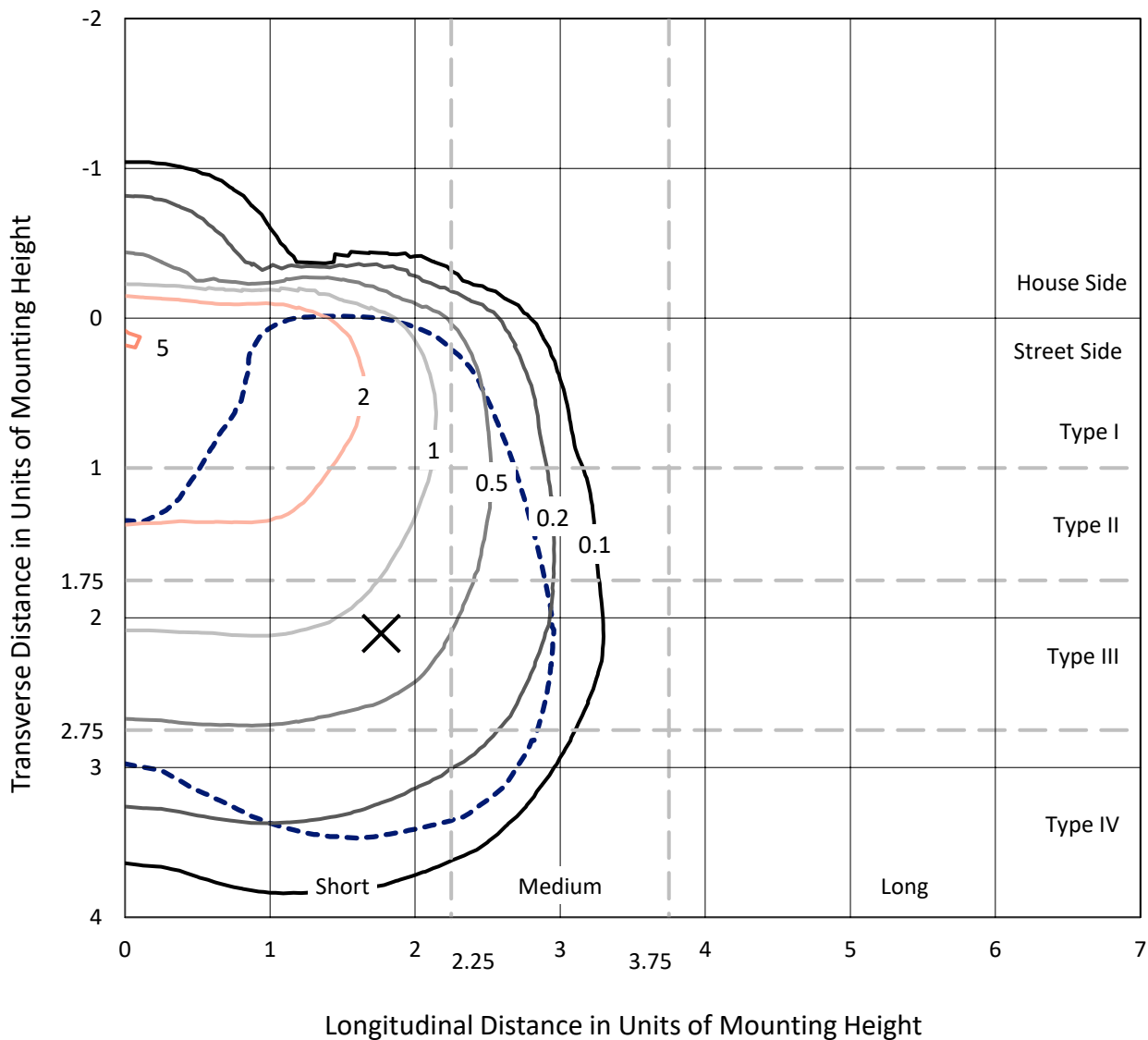
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

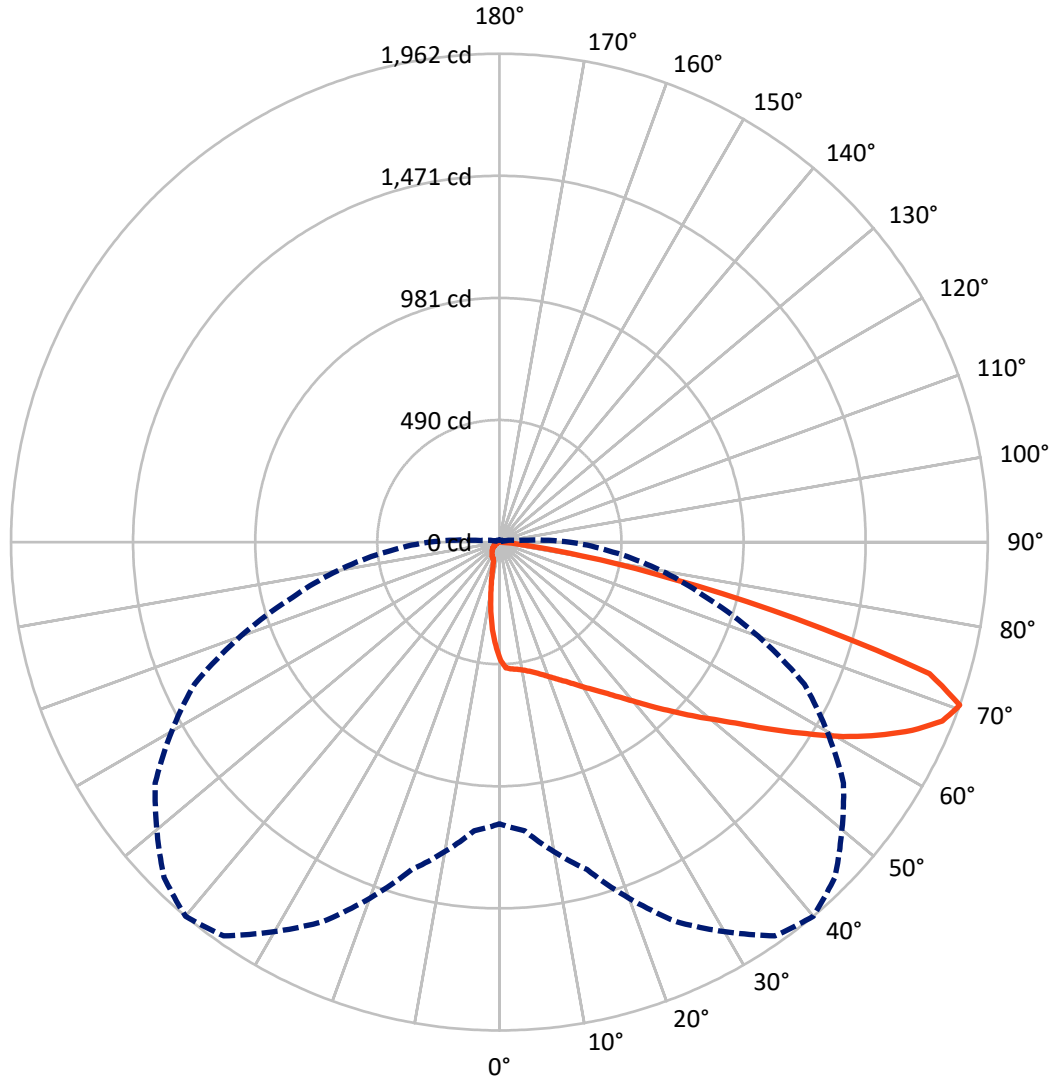
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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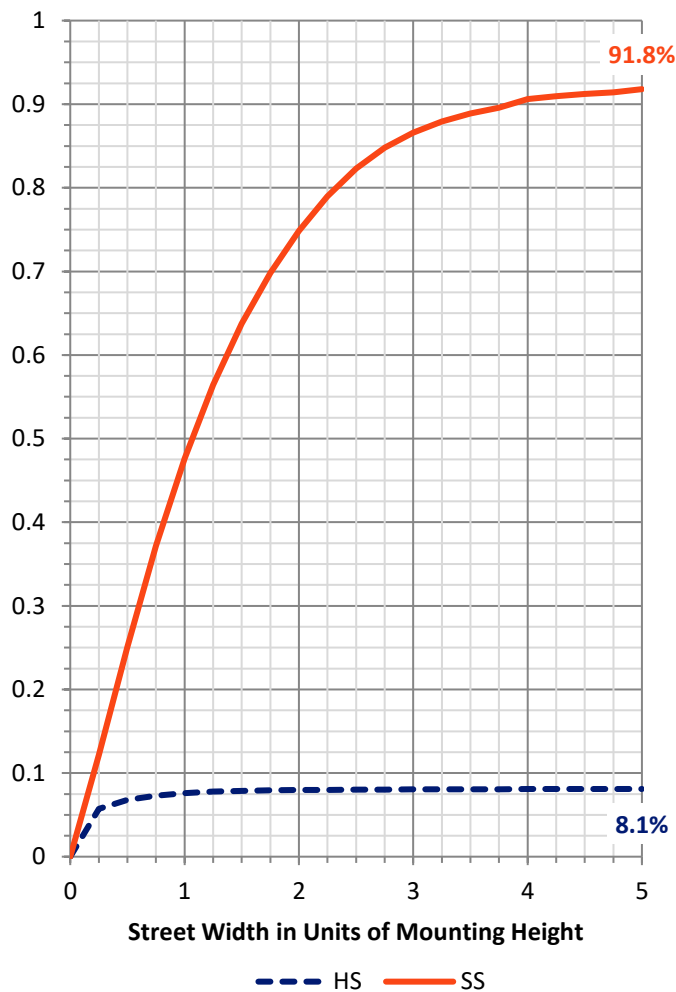
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	227.7	0.0	227.7
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	2557.4	0.0	2557.4
	% Fixture	91.8	0.0	91.8
Total	Lumens	2785.2	0.0	2785.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.4
10°-20°	101.3	3.6
20°-30°	169.6	6.1
30°-40°	266.3	9.6
40°-50°	421.2	15.1
50°-60°	614.5	22.1
60°-70°	761.8	27.4
70°-80°	385.4	13.8
80°-90°	25.2	0.9
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°	2785.2	100.0
0°-180°	2785.2	100.0

Coefficient of Utilization



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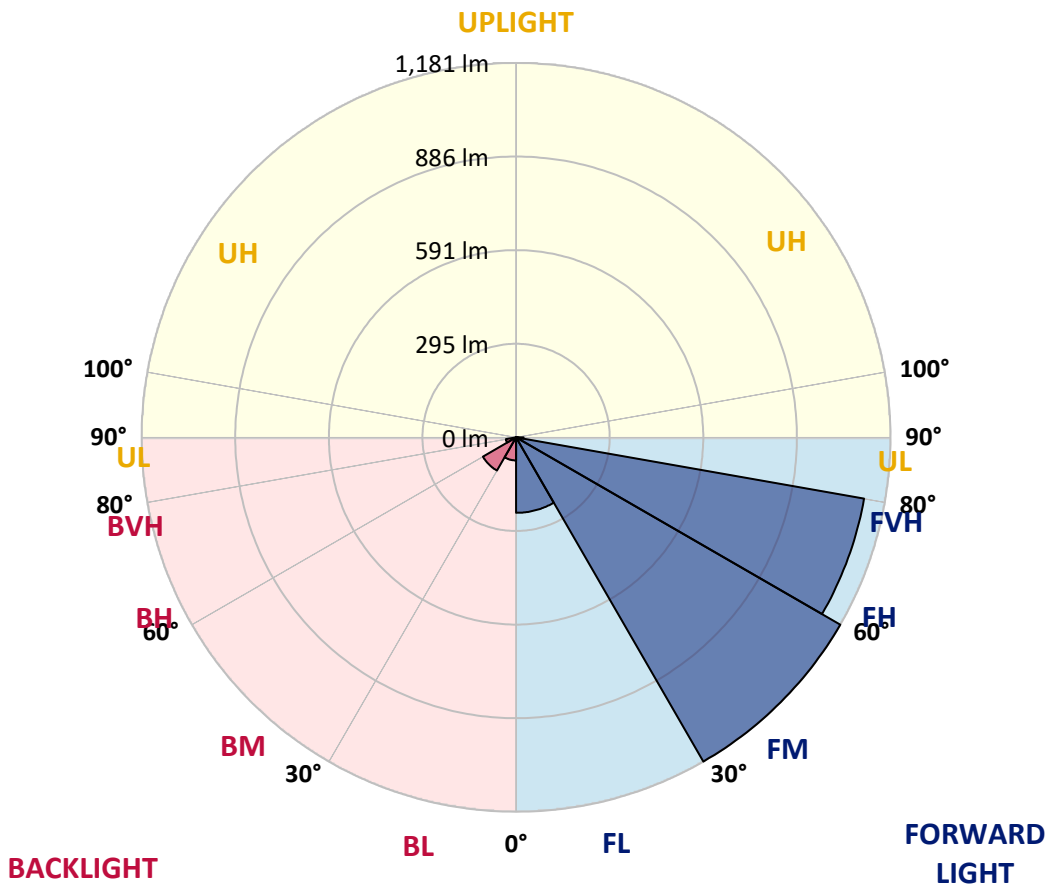
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.1	8.5			
FM (30°-60°)	1181.2	42.4			
FH (60°-80°)	1114.7	40.0			G1/1800
FVH (80°-90°)	23.5	0.8			G1/100
BL (0°-30°)	72.7	2.6	B0/110		
BM (30°-60°)	120.9	4.3	B0/220		
BH (60°-80°)	32.5	1.2	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6
2.5°	508.1	509.9	509.6	510.4	508.6	505.8	505.3	501.5	494.7	486.0	476.4
5°	518.5	520.5	519.0	518.2	514.9	511.9	511.1	507.1	499.2	487.6	470.8
7.5°	527.4	527.9	526.8	525.1	520.3	516.2	513.4	507.8	498.5	486.8	467.5
10°	528.9	528.6	529.1	529.4	526.3	522.8	520.5	512.9	501.0	488.6	467.8
12.5°	527.1	527.1	530.4	534.2	534.2	532.4	530.1	523.3	509.4	494.7	472.9
15°	529.4	530.1	536.5	543.6	545.9	544.1	543.1	536.0	521.5	505.3	482.0
17.5°	537.5	538.2	548.4	559.0	561.8	559.8	557.8	550.7	535.2	517.5	492.4
20°	549.4	551.4	564.4	578.0	580.6	578.0	574.0	564.1	548.6	530.6	502.3
22.5°	571.2	572.5	586.4	600.8	602.1	598.1	592.0	578.3	562.1	544.6	513.4
25°	600.1	601.9	615.8	629.7	626.4	620.4	612.0	596.5	578.0	561.1	527.6
27.5°	634.5	636.6	650.3	662.4	653.8	646.7	637.3	618.1	599.3	583.9	545.9
30°	671.8	673.6	685.7	696.6	685.2	676.9	665.7	645.9	626.9	615.3	571.7
32.5°	707.8	707.5	719.2	728.1	716.4	709.8	699.7	679.7	664.4	659.4	610.2
35°	741.2	741.2	750.9	759.7	751.4	747.8	738.4	722.5	713.9	719.9	661.7
37.5°	774.9	773.2	782.3	792.2	791.4	791.7	786.3	778.7	779.2	800.8	732.4
40°	802.8	802.1	812.7	825.6	835.8	843.9	840.6	843.4	859.3	899.6	822.8
42.5°	825.1	826.9	840.6	861.1	886.7	903.2	905.4	916.8	957.9	1020.2	925.0
45°	850.7	851.0	870.0	901.4	942.2	968.3	977.4	1006.8	1065.1	1145.4	1037.0
47.5°	882.1	879.1	900.4	944.5	1003.5	1042.0	1058.3	1095.0	1185.2	1267.6	1128.2
50°	916.8	911.3	935.3	995.4	1072.2	1120.3	1153.3	1207.0	1304.3	1367.9	1196.1
52.5°	957.1	951.8	979.2	1053.9	1154.5	1213.1	1255.4	1309.6	1406.4	1444.5	1236.7
55°	1008.3	1003.0	1031.9	1124.1	1251.9	1327.9	1372.2	1417.8	1501.5	1501.0	1266.1
57.5°	1065.1	1057.7	1097.8	1212.8	1373.2	1452.3	1497.4	1519.7	1573.7	1544.8	1285.8
60°	1130.2	1123.6	1179.1	1318.5	1513.4	1586.6	1615.0	1605.9	1633.0	1570.7	1279.0
62.5°	1189.0	1186.0	1254.9	1430.5	1646.9	1708.8	1716.6	1676.8	1676.6	1571.2	1232.9
65°	1250.1	1255.9	1358.3	1559.5	1781.2	1822.8	1809.4	1747.3	1694.1	1509.1	1096.5
67.5°	1272.9	1289.9	1426.5	1676.1	1887.2	1919.6	1896.0	1782.5	1621.3	1300.3	835.0
70°	1132.0	1163.9	1362.1	1682.7	1931.0	1961.9	1905.4	1687.7	1351.7	861.4	457.4
72.5°	860.8	898.1	1135.0	1377.8	1736.6	1807.1	1710.5	1375.0	871.2	377.3	153.6
75°	481.7	522.0	845.4	1037.5	1166.0	1230.3	1194.8	882.1	385.9	98.6	45.9
77.5°	162.9	176.4	393.3	641.9	769.6	711.8	602.6	438.2	141.9	37.5	24.3
80°	96.6	101.6	146.5	319.6	405.0	335.8	265.1	161.9	72.2	20.0	17.0
82.5°	28.9	34.2	80.8	118.6	158.6	98.8	83.6	92.5	37.5	10.9	14.2
85°	0.0	0.0	17.2	36.7	41.6	16.2	16.2	52.5	6.8	4.6	10.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	0.8	1.0	2.3
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°	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6	472.6
2.5°	469.6	460.7	450.3	440.4	431.1	418.9	413.1	406.0	399.9	396.6	398.4
5°	460.2	446.3	425.0	403.4	381.6	361.1	342.6	330.2	319.0	313.2	314.5
7.5°	452.1	433.3	400.1	364.9	329.9	294.7	266.1	243.8	226.6	219.5	218.2
10°	448.5	425.0	378.1	327.4	273.7	226.3	185.8	161.2	143.7	135.1	136.6
12.5°	450.3	420.7	359.3	290.7	221.0	165.7	127.0	103.9	91.5	86.4	85.1
15°	455.4	419.7	342.6	253.2	170.5	115.8	87.7	78.3	75.8	75.3	75.3
17.5°	461.2	419.9	325.4	215.1	129.5	85.9	75.0	73.2	72.5	72.0	72.2
20°	467.0	419.9	305.6	176.6	97.3	74.2	71.5	70.2	69.4	69.2	69.2
22.5°	474.1	419.9	283.6	140.9	78.1	70.4	68.2	67.4	66.6	66.4	66.1
25°	482.8	420.2	259.2	110.2	71.0	67.2	65.4	64.6	63.9	63.4	63.4
27.5°	495.2	422.2	232.4	85.9	66.9	64.1	62.6	61.8	61.1	60.3	60.3
30°	513.2	427.3	202.2	71.0	63.1	60.8	59.3	58.8	58.0	57.3	57.0
32.5°	540.0	436.1	171.1	63.6	59.6	57.3	55.5	55.0	54.2	53.5	53.2
35°	577.5	452.3	140.6	59.0	55.0	52.7	51.7	51.4	50.4	49.7	49.7
37.5°	632.5	478.7	111.5	54.5	51.2	49.4	48.1	47.6	46.6	45.9	45.6
40°	699.7	512.9	86.7	50.9	47.6	45.9	44.6	43.8	42.6	41.6	41.1
42.5°	785.3	554.7	68.4	47.1	44.3	42.6	41.6	40.0	38.3	36.7	36.5
45°	874.5	597.8	56.5	43.6	41.3	39.8	38.5	36.5	34.0	32.2	31.7
47.5°	942.9	624.7	49.4	39.8	38.0	36.7	35.2	32.7	29.6	27.6	27.1
50°	991.9	628.7	44.1	36.2	35.2	34.0	31.7	28.6	25.3	23.3	22.8
52.5°	1015.9	610.5	39.8	32.9	32.2	30.9	28.1	24.8	21.3	19.3	18.8
55°	1026.8	576.0	35.7	30.2	29.1	27.6	24.6	21.0	17.5	15.7	15.2
57.5°	1022.5	525.1	32.2	27.4	26.1	24.3	21.0	17.2	14.4	12.7	12.4
60°	990.6	453.6	28.6	24.6	23.1	21.0	17.7	14.2	11.7	10.4	10.1
62.5°	921.7	364.9	25.1	21.3	20.3	18.2	15.2	11.7	9.6	8.9	8.6
65°	780.5	258.0	21.5	18.0	17.5	15.5	12.7	9.6	8.4	7.9	7.6
67.5°	561.1	156.9	18.2	15.5	15.0	13.2	10.6	8.4	7.6	7.3	7.3
70°	282.0	74.2	14.4	12.7	12.7	10.9	9.1	7.6	7.3	7.1	7.1
72.5°	95.8	31.7	10.9	9.9	10.4	9.4	7.9	7.1	7.1	7.1	7.1
75°	32.7	16.7	7.6	7.1	7.6	7.6	6.8	6.8	7.1	7.1	7.1
77.5°	21.3	11.2	5.3	4.8	5.8	5.8	5.8	6.3	6.8	6.8	6.8
80°	17.5	6.1	3.5	3.3	4.3	4.3	4.8	5.8	6.3	6.3	6.3
82.5°	15.0	3.8	2.0	2.3	3.0	3.3	4.1	4.8	5.6	5.8	5.8
85°	10.1	2.0	1.5	1.8	2.0	2.5	3.3	4.1	4.6	5.1	5.1
87.5°	2.8	0.8	1.0	1.3	1.3	1.8	2.5	3.0	3.5	3.8	3.8
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)