

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: P629404

Luminaire Tested: GWS-SA1B-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629404
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2888.6 lumens
Efficiency: N/A
Efficacy: 115.5 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

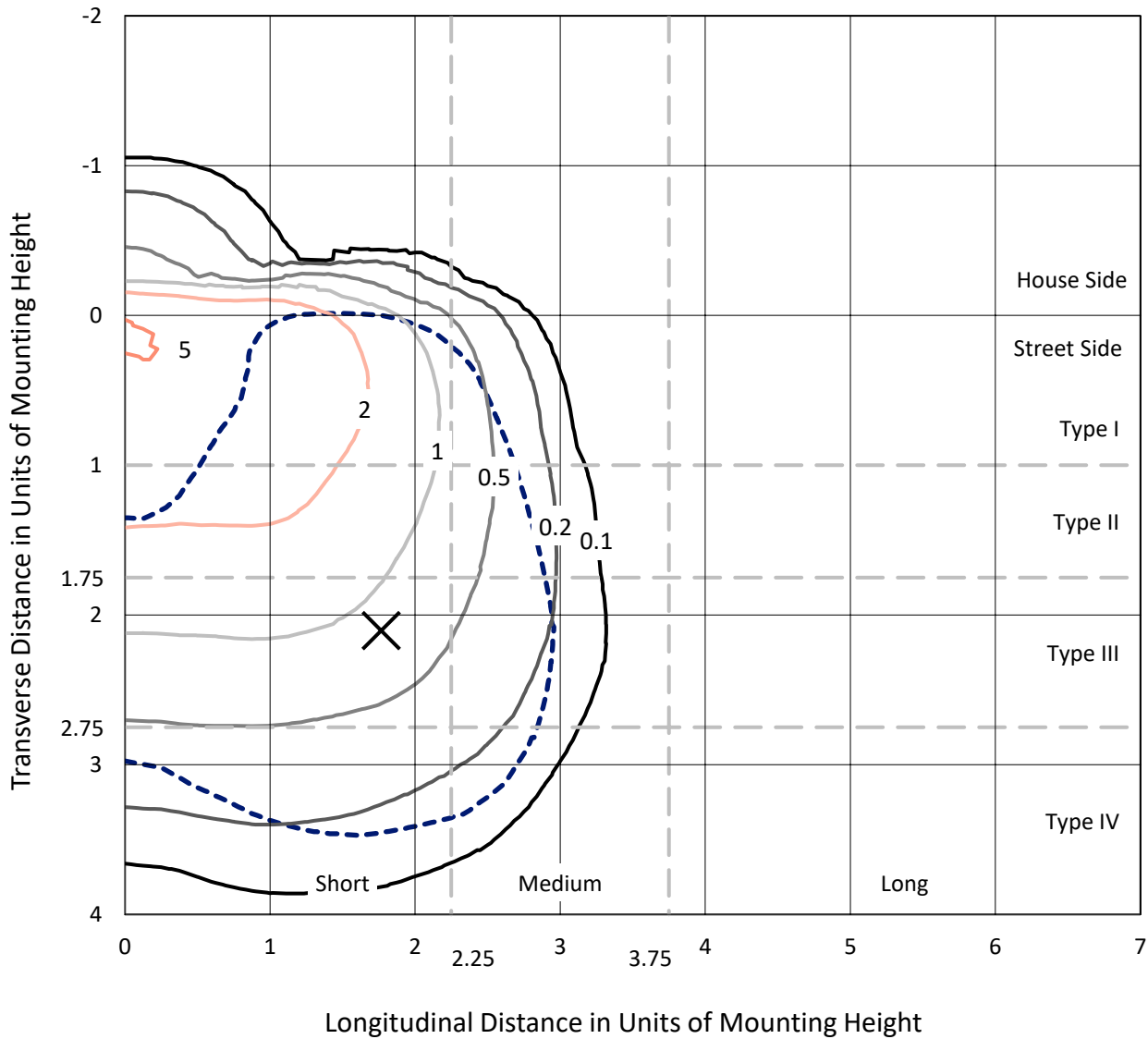
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

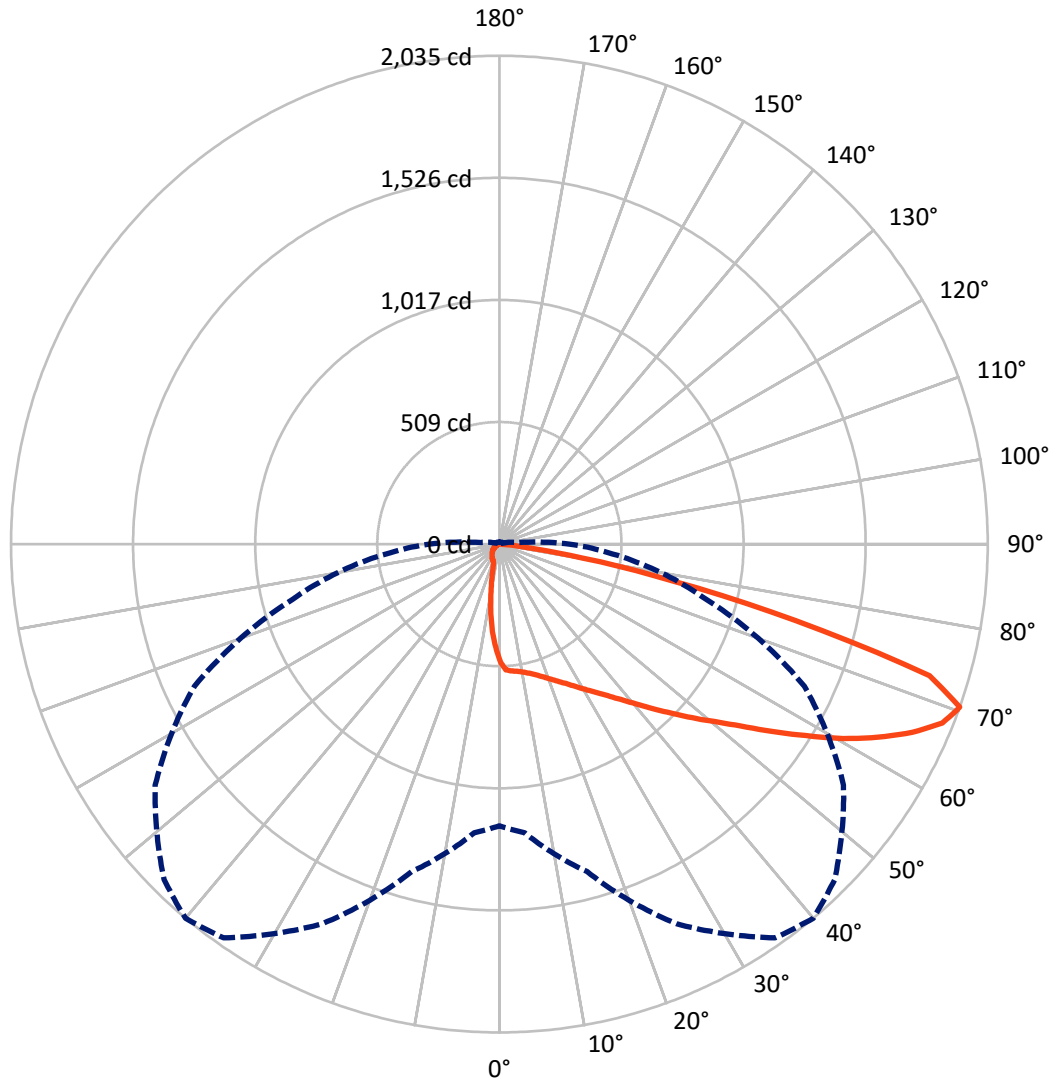
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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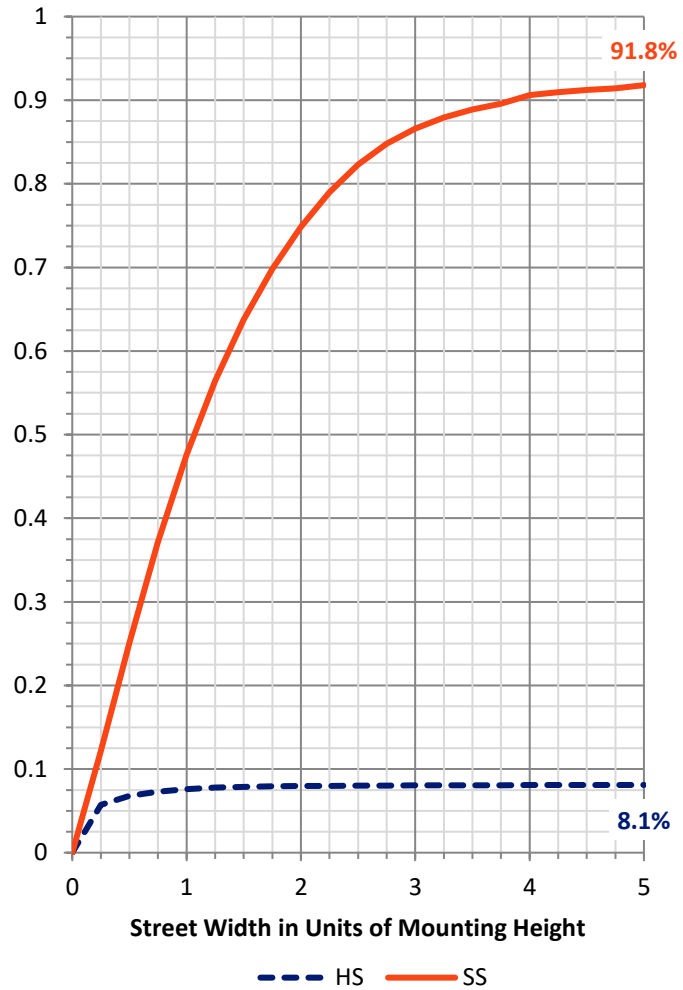
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	236.2	0.0	236.2
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	2652.4	0.0	2652.4
	% Fixture	91.8	0.0	91.8
Total	Lumens	2888.6	0.0	2888.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	1.4
10°-20°	105.1	3.6
20°-30°	175.9	6.1
30°-40°	276.2	9.6
40°-50°	436.9	15.1
50°-60°	637.3	22.1
60°-70°	790.0	27.3
70°-80°	399.7	13.8
80°-90°	26.1	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°	2888.6	100.0
0°-180°	2888.6	100.0

Coefficient of Utilization



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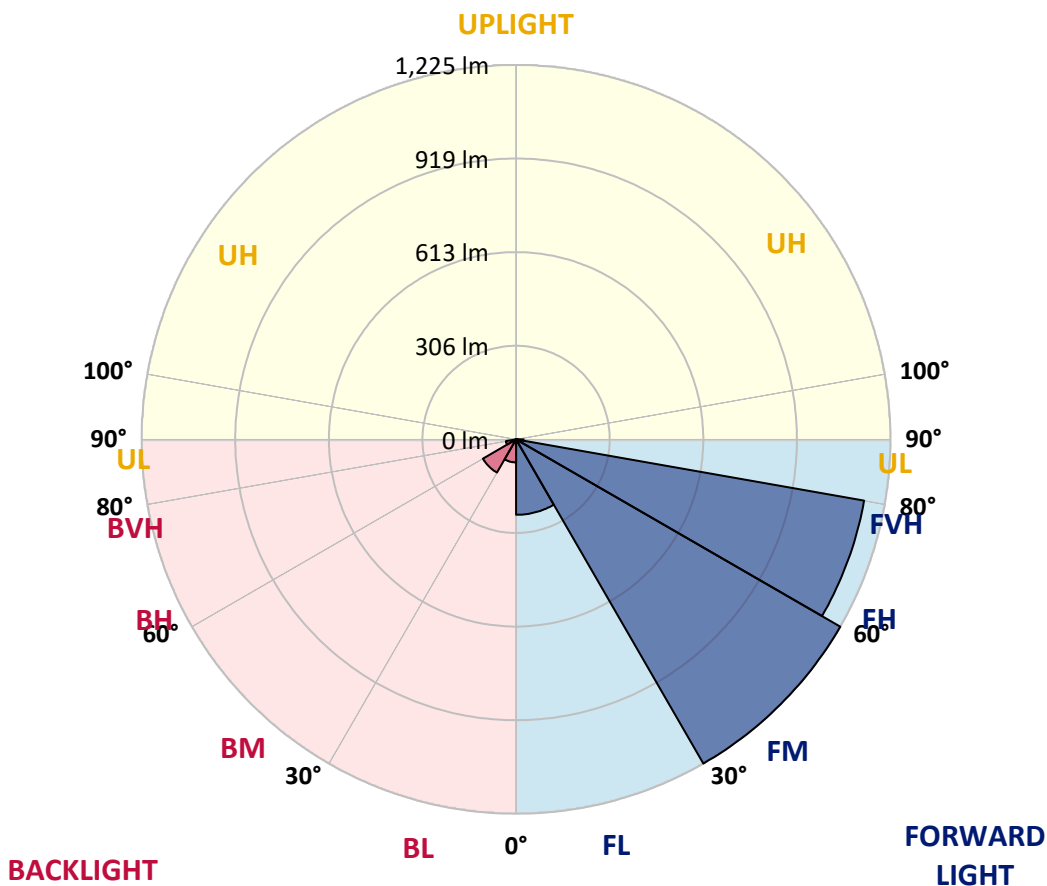
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.9	8.5			
FM (30°-60°)	1225.0	42.4			
FH (60°-80°)	1156.1	40.0			G1/1800
FVH (80°-90°)	24.4	0.8			G1/100
BL (0°-30°)	75.4	2.6	B0/110		
BM (30°-60°)	125.4	4.3	B0/220		
BH (60°-80°)	33.7	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°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2
2.5°	527.0	528.8	528.5	529.3	527.5	524.6	524.1	520.1	513.0	504.1	494.1
5°	537.7	539.8	538.3	537.5	534.1	530.9	530.1	525.9	517.8	505.7	488.3
7.5°	546.9	547.5	546.4	544.6	539.6	535.4	532.5	526.7	517.0	504.9	484.9
10°	548.5	548.2	548.8	549.0	545.9	542.2	539.8	531.9	519.6	506.7	485.2
12.5°	546.7	546.7	550.1	554.0	554.0	552.2	549.8	542.7	528.3	513.0	490.4
15°	549.0	549.8	556.4	563.8	566.1	564.3	563.2	555.9	540.9	524.1	499.9
17.5°	557.4	558.2	568.7	579.8	582.7	580.6	578.5	571.1	555.1	536.7	510.7
20°	569.8	571.9	585.3	599.5	602.1	599.5	595.3	585.0	569.0	550.3	520.9
22.5°	592.4	593.7	608.2	623.1	624.5	620.3	613.9	599.8	582.9	564.8	532.5
25°	622.4	624.2	638.7	653.1	649.7	643.4	634.7	618.7	599.5	581.9	547.2
27.5°	658.1	660.2	674.4	687.0	678.1	670.7	661.0	641.0	621.6	605.5	566.1
30°	696.7	698.6	711.2	722.5	710.7	702.0	690.4	669.9	650.2	638.1	592.9
32.5°	734.1	733.8	745.9	755.1	743.0	736.2	725.6	704.9	689.1	683.9	632.9
35°	768.8	768.8	778.7	787.9	779.3	775.6	765.9	749.3	740.4	746.7	686.2
37.5°	803.7	801.9	811.3	821.6	820.8	821.1	815.5	807.6	808.2	830.5	759.6
40°	832.6	831.8	842.9	856.3	866.8	875.2	871.8	874.7	891.2	933.0	853.4
42.5°	855.7	857.6	871.8	893.1	919.6	936.7	939.1	950.9	993.5	1058.1	959.3
45°	882.3	882.6	902.3	934.9	977.2	1004.2	1013.7	1044.2	1104.6	1188.0	1075.5
47.5°	914.9	911.7	933.8	979.5	1040.8	1080.7	1097.5	1135.6	1229.2	1314.6	1170.1
50°	950.9	945.1	970.1	1032.4	1112.0	1161.9	1196.1	1251.8	1352.7	1418.7	1240.5
52.5°	992.7	987.2	1015.5	1093.1	1197.4	1258.1	1302.0	1358.3	1458.7	1498.1	1282.6
55°	1045.8	1040.2	1070.2	1165.9	1298.3	1377.2	1423.2	1470.5	1557.2	1556.7	1313.1
57.5°	1104.6	1097.0	1138.5	1257.9	1424.2	1506.2	1553.0	1576.1	1632.1	1602.2	1333.6
60°	1172.2	1165.3	1222.9	1367.5	1569.6	1645.5	1675.0	1665.5	1693.6	1629.0	1326.5
62.5°	1233.2	1230.0	1301.5	1483.6	1708.1	1772.2	1780.3	1739.1	1738.8	1629.5	1278.6
65°	1296.5	1302.5	1408.7	1617.4	1847.4	1890.5	1876.5	1812.1	1757.0	1565.1	1137.2
67.5°	1320.1	1337.8	1479.4	1738.3	1957.2	1990.9	1966.4	1848.7	1681.5	1348.5	866.0
70°	1174.0	1207.1	1412.7	1745.1	2002.7	2034.8	1976.1	1750.4	1401.9	893.3	474.4
72.5°	892.8	931.4	1177.2	1429.0	1801.1	1874.2	1774.0	1426.1	903.6	391.3	159.3
75°	499.6	541.4	876.8	1076.0	1209.2	1276.0	1239.2	914.9	400.3	102.2	47.6
77.5°	169.0	182.9	407.9	665.7	798.2	738.3	625.0	454.4	147.2	38.9	25.2
80°	100.1	105.4	151.9	331.4	420.0	348.2	274.9	167.9	74.9	20.8	17.6
82.5°	30.0	35.5	83.8	123.0	164.5	102.5	86.7	95.9	38.9	11.3	14.7
85°	0.0	0.0	17.9	38.1	43.1	16.8	16.8	54.4	7.1	4.7	10.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	0.8	1.1	2.4
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°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2
2.5°	487.0	477.8	467.0	456.8	447.1	434.4	428.4	421.0	414.7	411.3	413.2
5°	477.3	462.8	440.8	418.4	395.8	374.5	355.3	342.5	330.9	324.8	326.2
7.5°	468.9	449.4	415.0	378.5	342.2	305.7	276.0	252.8	235.0	227.6	226.3
10°	465.2	440.8	392.1	339.6	283.8	234.7	192.6	167.2	149.0	140.1	141.7
12.5°	467.0	436.3	372.7	301.5	229.2	171.9	131.7	107.8	94.9	89.6	88.3
15°	472.3	435.2	355.3	262.6	176.9	120.1	90.9	81.2	78.6	78.1	78.1
17.5°	478.3	435.5	337.5	223.1	134.3	89.1	77.8	76.0	75.2	74.6	74.9
20°	484.4	435.5	317.0	183.2	100.9	77.0	74.1	72.8	72.0	71.8	71.8
22.5°	491.7	435.5	294.1	146.1	80.9	73.1	70.7	69.9	69.1	68.9	68.6
25°	500.7	435.8	268.9	114.3	73.6	69.6	67.8	67.0	66.2	65.7	65.7
27.5°	513.6	437.9	241.0	89.1	69.4	66.5	64.9	64.1	63.3	62.6	62.6
30°	532.2	443.1	209.7	73.6	65.4	63.1	61.5	61.0	60.2	59.4	59.1
32.5°	560.1	452.3	177.4	66.0	61.8	59.4	57.6	57.0	56.2	55.5	55.2
35°	599.0	469.1	145.9	61.2	57.0	54.7	53.6	53.4	52.3	51.5	51.5
37.5°	656.0	496.5	115.6	56.5	53.1	51.3	49.9	49.4	48.4	47.6	47.3
40°	725.6	531.9	89.9	52.8	49.4	47.6	46.3	45.5	44.2	43.1	42.6
42.5°	814.5	575.3	71.0	48.9	46.0	44.2	43.1	41.5	39.7	38.1	37.8
45°	907.0	620.0	58.6	45.2	42.8	41.3	39.9	37.8	35.2	33.4	32.9
47.5°	978.0	647.9	51.3	41.3	39.4	38.1	36.5	33.9	30.8	28.6	28.1
50°	1028.7	652.1	45.7	37.6	36.5	35.2	32.9	29.7	26.3	24.2	23.7
52.5°	1053.6	633.1	41.3	34.2	33.4	32.1	29.2	25.8	22.1	20.0	19.4
55°	1064.9	597.4	37.1	31.3	30.2	28.6	25.5	21.8	18.1	16.3	15.8
57.5°	1060.5	544.6	33.4	28.4	27.1	25.2	21.8	17.9	15.0	13.1	12.9
60°	1027.4	470.4	29.7	25.5	23.9	21.8	18.4	14.7	12.1	10.8	10.5
62.5°	955.9	378.5	26.0	22.1	21.0	18.9	15.8	12.1	10.0	9.2	8.9
65°	809.5	267.6	22.3	18.7	18.1	16.0	13.1	10.0	8.7	8.1	7.9
67.5°	581.9	162.7	18.9	16.0	15.5	13.7	11.0	8.7	7.9	7.6	7.6
70°	292.5	77.0	15.0	13.1	13.1	11.3	9.5	7.9	7.6	7.4	7.4
72.5°	99.3	32.9	11.3	10.3	10.8	9.7	8.1	7.4	7.4	7.4	7.4
75°	33.9	17.3	7.9	7.4	7.9	7.9	7.1	7.1	7.4	7.4	7.4
77.5°	22.1	11.6	5.5	5.0	6.0	6.0	6.0	6.6	7.1	7.1	7.1
80°	18.1	6.3	3.7	3.4	4.5	4.5	5.0	6.0	6.6	6.6	6.6
82.5°	15.5	3.9	2.1	2.4	3.2	3.4	4.2	5.0	5.8	6.0	6.0
85°	10.5	2.1	1.6	1.8	2.1	2.6	3.4	4.2	4.7	5.3	5.3
87.5°	2.9	0.8	1.1	1.3	1.3	1.8	2.6	3.2	3.7	3.9	3.9
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)