

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: P629806

Luminaire Tested: GWS-SA1C-735-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3823.3 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

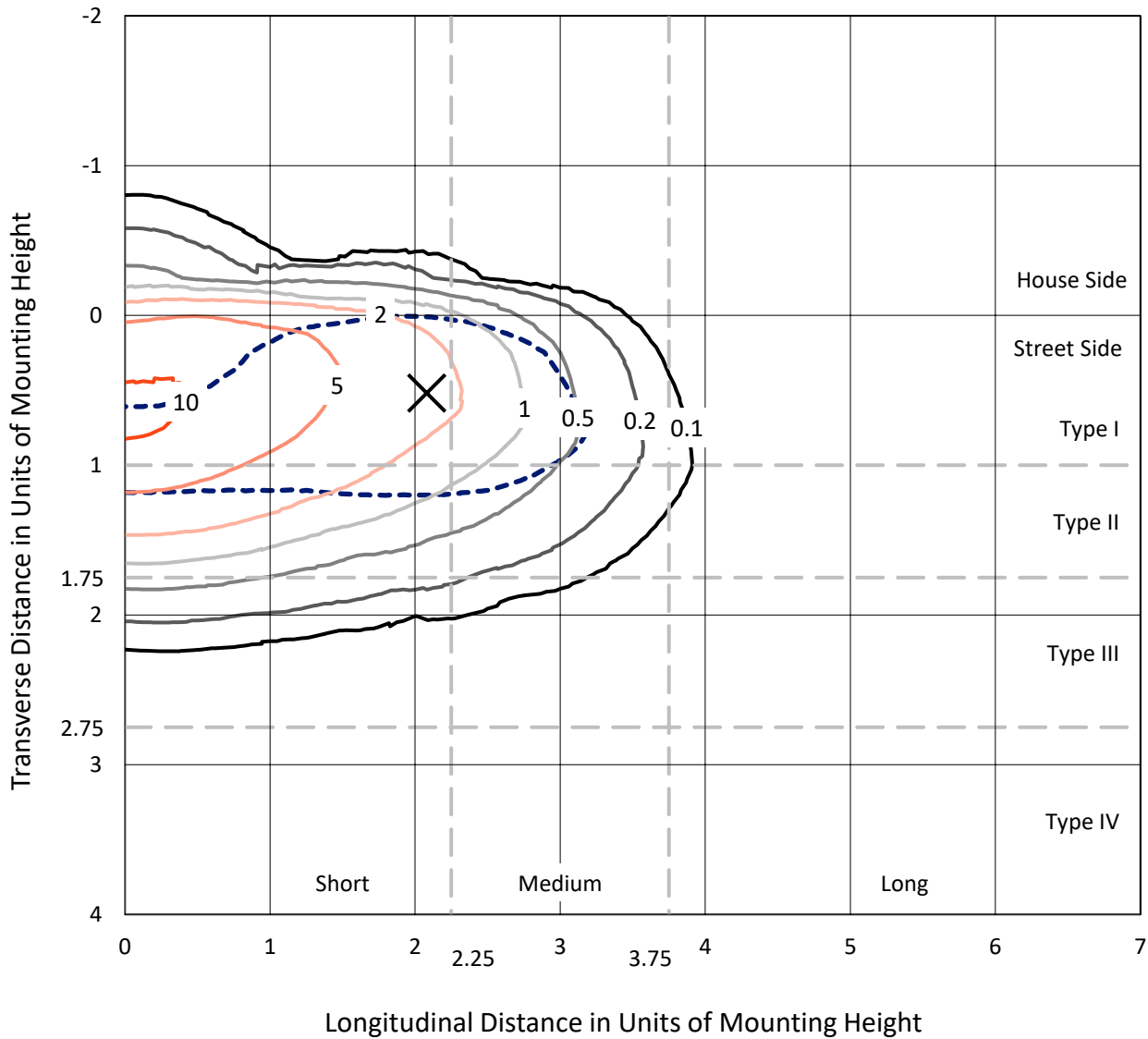
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

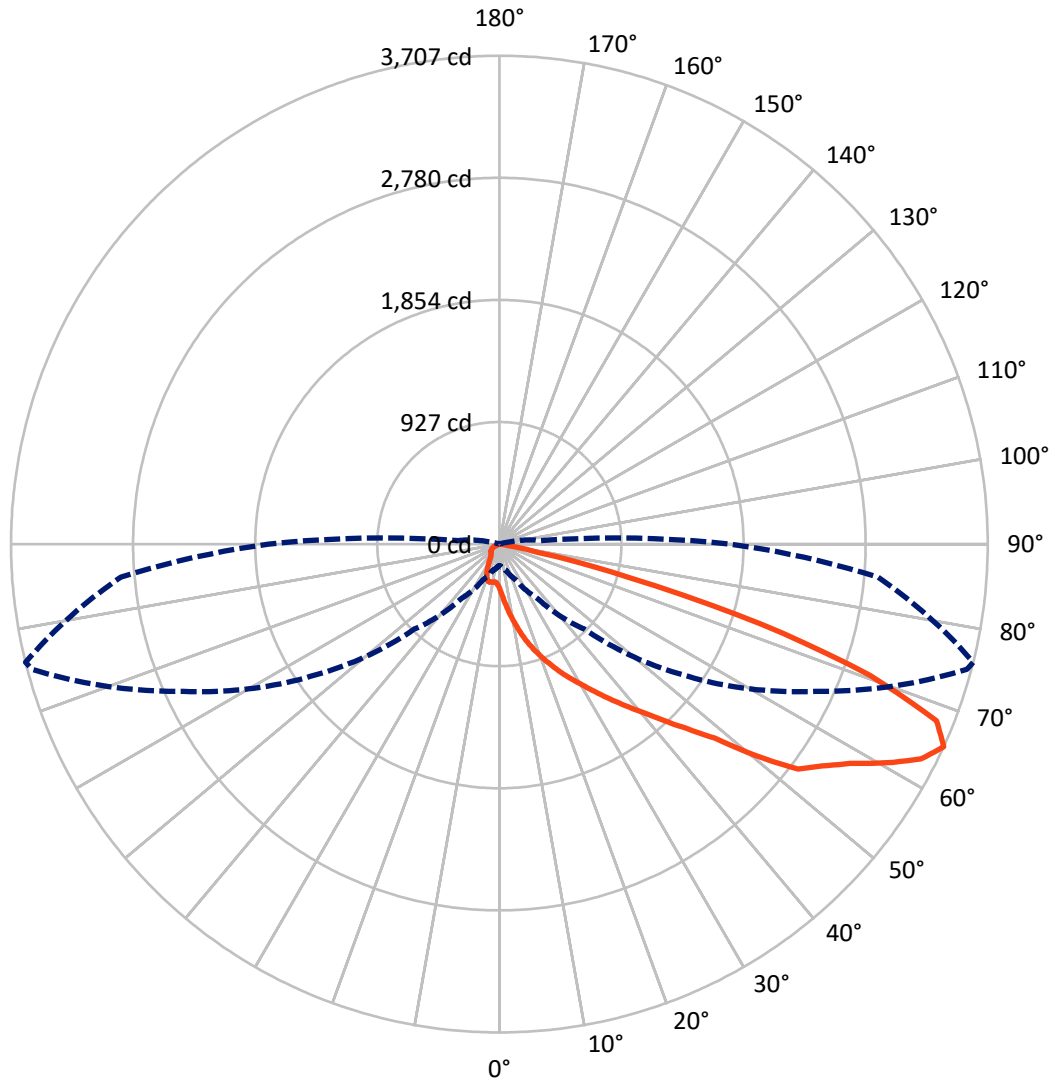
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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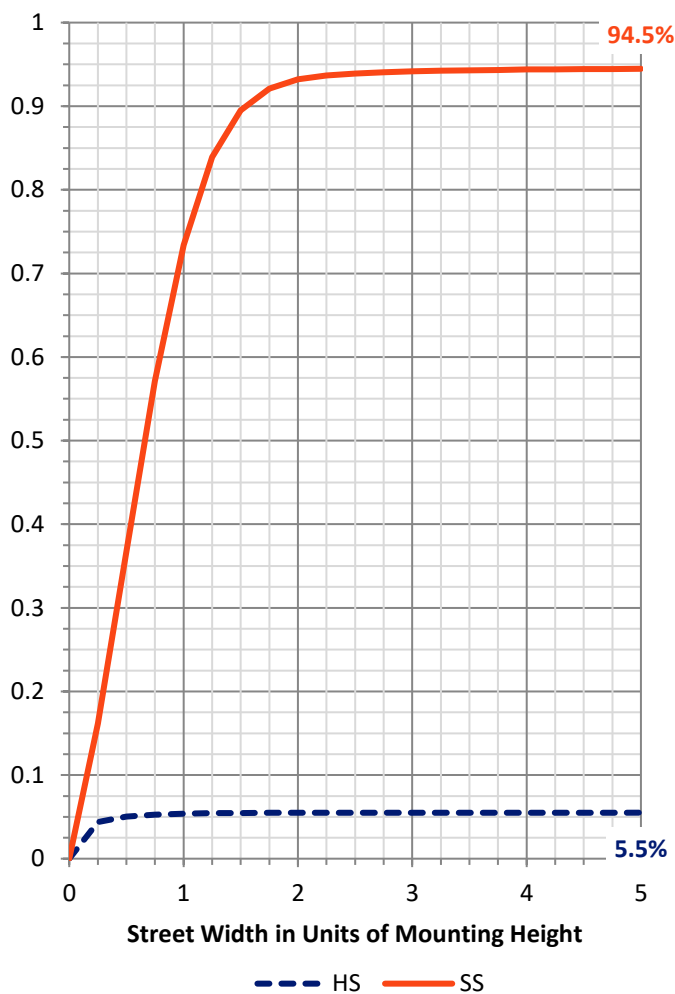
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	211.4	0.0	211.4
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	3611.9	0.0	3611.9
	% Fixture	94.5	0.0	94.5
Total	Lumens	3823.3	0.0	3823.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.1
10°-20°	156.3	4.1
20°-30°	318.8	8.3
30°-40°	567.0	14.8
40°-50°	838.1	21.9
50°-60°	959.6	25.1
60°-70°	732.1	19.1
70°-80°	205.1	5.4
80°-90°	5.2	0.1
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°	3823.3	100.0
0°-180°	3823.3	100.0

Coefficient of Utilization



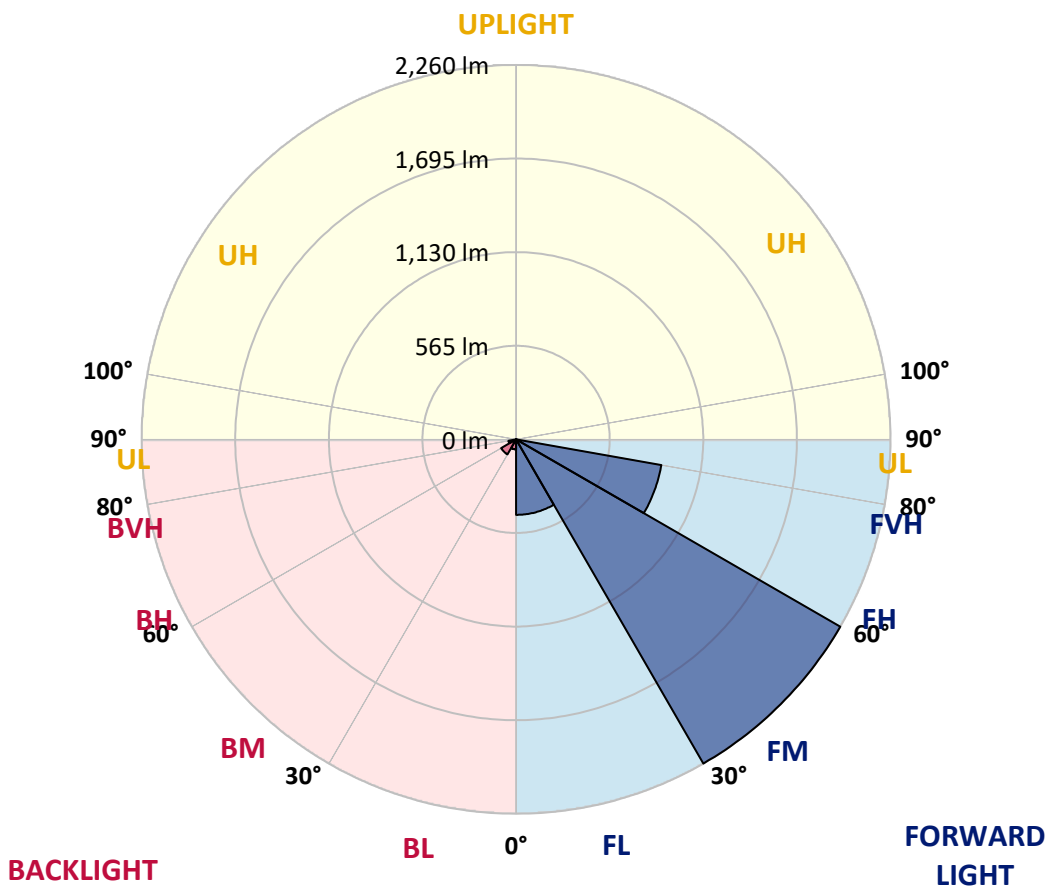
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	455.9	11.9			
FM (30°-60°)	2260.4	59.1			
FH (60°-80°)	890.7	23.3			G1/1800
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	60.3	1.6	B0/110		
BM (30°-60°)	104.3	2.7	B0/220		
BH (60°-80°)	46.5	1.2	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5
2.5°	521.7	529.5	523.4	513.2	493.5	474.4	450.0	416.3	389.5	386.1	360.9
5°	704.5	703.9	690.6	677.3	656.6	624.0	574.7	512.2	452.0	446.9	390.5
7.5°	813.3	814.3	806.8	796.6	776.2	742.6	691.3	615.8	527.8	517.6	430.9
10°	904.7	904.4	898.9	894.2	875.8	853.4	798.3	715.4	609.4	593.4	476.1
12.5°	973.4	975.7	978.5	983.2	975.4	953.3	901.3	810.9	692.0	674.3	527.8
15°	1027.7	1028.4	1038.6	1057.0	1063.4	1051.9	1004.6	903.4	773.5	758.2	587.3
17.5°	1044.1	1045.4	1062.7	1096.4	1130.4	1136.8	1101.1	996.5	853.7	837.4	645.1
20°	1078.4	1081.4	1094.4	1123.9	1166.7	1201.4	1187.5	1090.6	933.9	912.5	704.2
22.5°	1186.5	1188.2	1183.7	1187.5	1209.6	1249.7	1258.2	1181.7	1016.2	993.4	768.1
25°	1372.4	1373.0	1342.1	1312.9	1296.2	1303.7	1322.4	1265.6	1097.8	1075.3	827.6
27.5°	1565.4	1567.8	1530.7	1481.1	1421.6	1387.7	1382.2	1342.5	1180.0	1155.2	886.4
30°	1747.2	1747.2	1708.1	1647.6	1568.1	1501.8	1462.8	1419.9	1268.0	1240.8	946.5
32.5°	1910.7	1909.3	1859.4	1793.8	1715.3	1642.5	1560.3	1500.8	1365.9	1335.7	1015.8
35°	2045.6	2042.2	1985.5	1922.6	1838.6	1784.6	1692.8	1587.8	1471.9	1441.7	1087.2
37.5°	2147.6	2143.8	2091.8	2025.2	1947.4	1912.4	1835.6	1692.2	1583.8	1556.2	1166.4
40°	2203.0	2195.5	2159.5	2109.9	2044.6	2014.0	1982.1	1821.7	1715.3	1681.0	1259.9
42.5°	2219.3	2210.5	2186.7	2163.6	2124.1	2100.0	2134.3	1967.8	1859.7	1830.2	1366.6
45°	2171.0	2165.9	2163.9	2180.5	2187.7	2194.5	2279.1	2129.6	2019.1	1996.7	1500.8
47.5°	2054.8	2053.4	2071.5	2140.8	2216.2	2287.9	2436.5	2329.1	2225.7	2201.6	1688.4
50°	1840.0	1853.9	1904.2	2025.9	2176.8	2341.0	2583.6	2605.7	2560.2	2524.8	1933.1
52.5°	1504.2	1531.1	1643.9	1828.8	2045.6	2326.0	2651.6	2827.3	2873.9	2837.2	2108.5
55°	1180.3	1205.5	1306.1	1540.6	1829.8	2212.2	2654.7	2903.8	3005.4	2971.4	2227.1
57.5°	879.2	902.3	993.8	1218.1	1536.2	1988.2	2581.9	2946.3	3161.4	3139.6	2414.4
60°	574.7	597.5	680.1	876.2	1191.6	1661.9	2402.8	2937.4	3373.8	3371.8	2644.5
62.5°	318.8	336.8	396.6	549.6	831.6	1287.1	2121.4	2848.7	3579.4	3592.3	2834.1
65°	163.1	174.7	211.1	302.1	503.3	912.5	1751.3	2645.5	3674.6	3707.2	2884.1
67.5°	106.7	110.5	119.3	157.0	269.5	574.0	1318.0	2319.6	3540.7	3578.7	2716.5
70°	86.7	89.7	94.8	104.7	139.0	304.9	865.6	1852.6	2958.5	2984.3	2163.2
72.5°	63.6	67.6	77.5	83.9	100.3	167.2	450.3	1216.0	2031.7	2077.2	1359.4
75°	46.9	49.3	57.4	66.3	81.9	105.7	172.3	639.3	1049.2	1022.6	571.0
77.5°	28.2	29.9	36.7	42.5	58.5	65.9	60.2	236.2	319.1	300.1	138.0
80°	13.9	15.6	24.1	31.9	37.4	26.5	25.1	65.9	71.0	71.0	34.7
82.5°	4.8	6.1	12.9	21.1	18.4	10.2	11.9	17.0	19.0	20.1	10.2
85°	0.0	0.0	3.1	6.1	2.7	1.4	3.1	3.7	4.8	5.1	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.4	1.4
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°	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5
2.5°	347.3	331.4	307.2	285.5	268.8	253.2	241.3	231.8	230.1	224.6	225.3
5°	363.0	334.1	289.6	255.2	231.1	214.8	201.2	191.0	186.6	182.2	178.8
7.5°	387.1	345.3	282.8	241.0	212.8	187.6	166.5	149.5	141.4	136.3	132.9
10°	416.7	360.9	283.1	232.5	190.7	152.3	123.4	104.7	95.8	93.1	92.8
12.5°	452.0	380.6	285.8	218.5	158.7	113.2	91.4	82.9	80.2	77.8	77.8
15°	489.4	402.7	285.8	193.0	121.0	88.4	79.2	73.7	70.4	69.0	68.3
17.5°	528.8	423.5	279.0	158.0	92.8	77.8	70.4	65.3	62.5	60.5	59.8
20°	571.0	443.2	262.0	121.0	79.5	69.7	62.5	57.4	54.7	52.7	52.7
22.5°	613.8	461.5	234.5	93.1	70.4	61.9	55.1	50.3	47.6	45.5	45.5
25°	653.6	473.8	199.2	76.8	63.6	55.1	48.9	44.2	41.1	39.8	39.1
27.5°	690.6	481.6	160.1	67.6	57.1	49.3	42.8	38.4	36.0	35.0	34.3
30°	729.0	483.6	122.3	61.5	51.7	43.5	37.4	34.0	31.9	30.6	30.6
32.5°	766.4	481.2	93.5	56.4	46.9	38.4	33.3	30.2	28.5	27.5	27.2
35°	804.5	470.4	75.8	52.0	42.1	33.6	29.6	27.2	26.2	24.8	24.8
37.5°	845.9	455.8	65.9	47.6	37.4	30.2	26.5	24.8	23.5	22.4	22.1
40°	897.6	438.8	60.5	43.8	33.0	27.2	23.8	22.1	21.1	20.1	19.7
42.5°	958.7	422.1	57.8	39.8	29.6	24.1	21.4	19.4	18.4	17.0	16.7
45°	1045.4	418.4	54.7	35.3	26.5	21.8	18.7	16.7	15.3	14.3	13.9
47.5°	1184.8	428.9	49.6	30.6	23.5	19.0	16.0	14.3	12.6	11.6	10.9
50°	1323.1	426.2	44.5	26.5	20.7	16.3	13.6	11.9	10.2	9.2	8.8
52.5°	1398.5	413.3	39.8	23.5	18.0	13.9	11.6	9.5	8.5	7.5	7.1
55°	1466.8	408.2	35.0	20.4	15.3	12.2	9.5	7.8	7.1	6.1	5.8
57.5°	1600.7	420.1	30.9	17.7	13.3	10.5	8.2	6.5	5.8	4.8	4.4
60°	1740.8	421.4	26.5	15.3	11.6	8.8	6.5	5.1	4.4	3.4	3.1
62.5°	1813.8	387.1	21.8	12.9	9.5	7.5	5.4	4.1	3.4	2.0	2.0
65°	1752.7	313.0	18.4	10.5	7.5	5.8	4.1	3.1	2.0	1.0	0.3
67.5°	1551.1	222.6	15.3	8.5	5.4	4.1	3.1	2.0	0.3	0.0	0.0
70°	1135.8	127.1	11.9	6.1	4.1	2.7	2.0	1.0	0.0	0.0	0.0
72.5°	698.1	68.0	8.8	4.1	3.1	2.0	1.7	0.7	0.0	0.0	0.0
75°	264.8	32.6	5.4	2.7	2.4	1.7	1.0	0.3	0.0	0.0	0.0
77.5°	71.7	16.0	3.1	2.0	1.7	1.0	0.7	0.0	0.0	0.0	0.0
80°	18.7	7.5	2.0	1.4	1.0	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	6.5	3.4	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0
85°	2.7	1.4	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.3	0.3	0.3	0.3	0.0	0.0	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)