

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: STREETWORKS

Report Number: P385602

Luminaire Tested: GAW-SA1A-830-U-SL3-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1A-830-U-SL3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3379 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

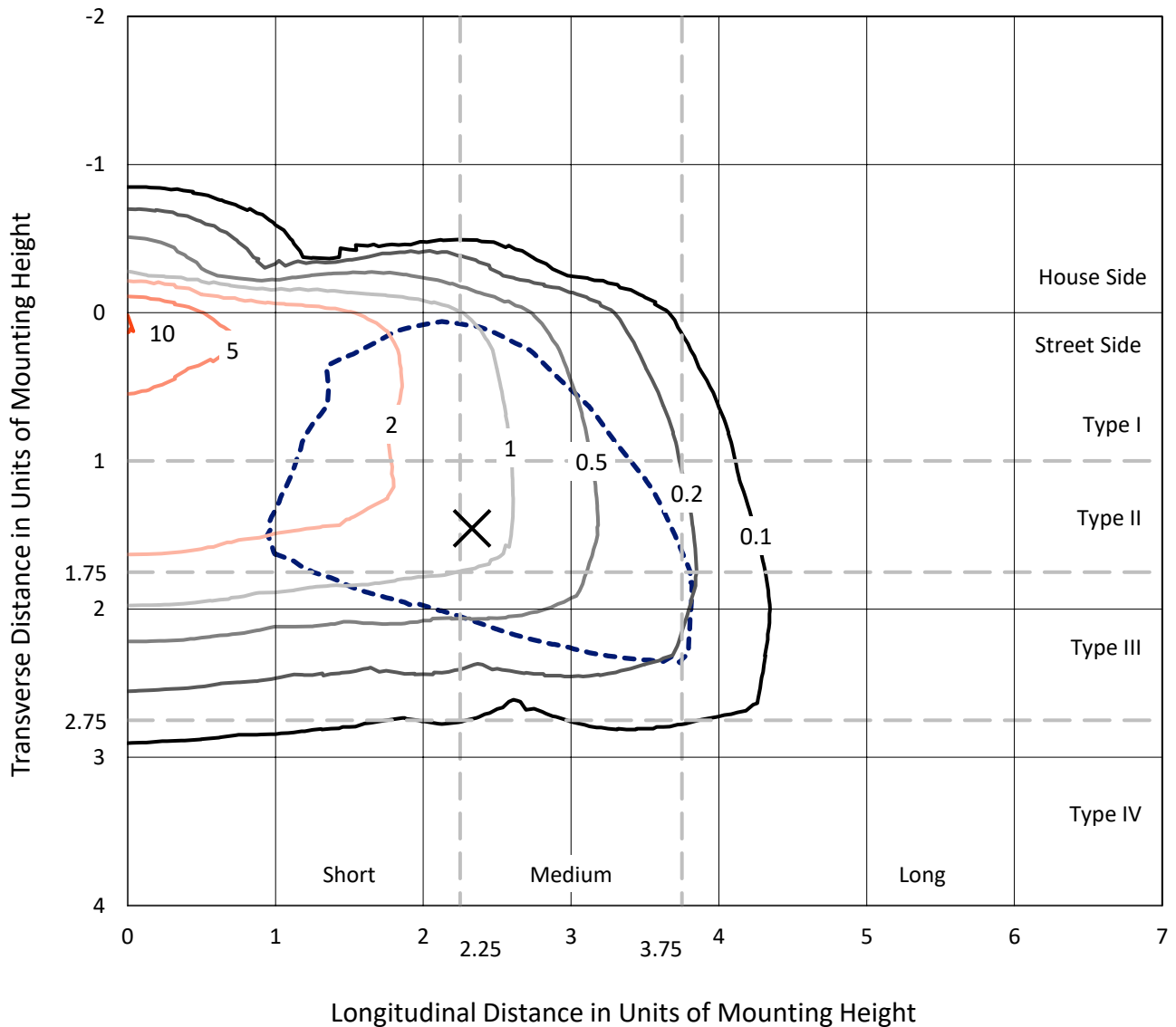
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P385602
 CATALOG NUMBER: GAW-SA1A-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

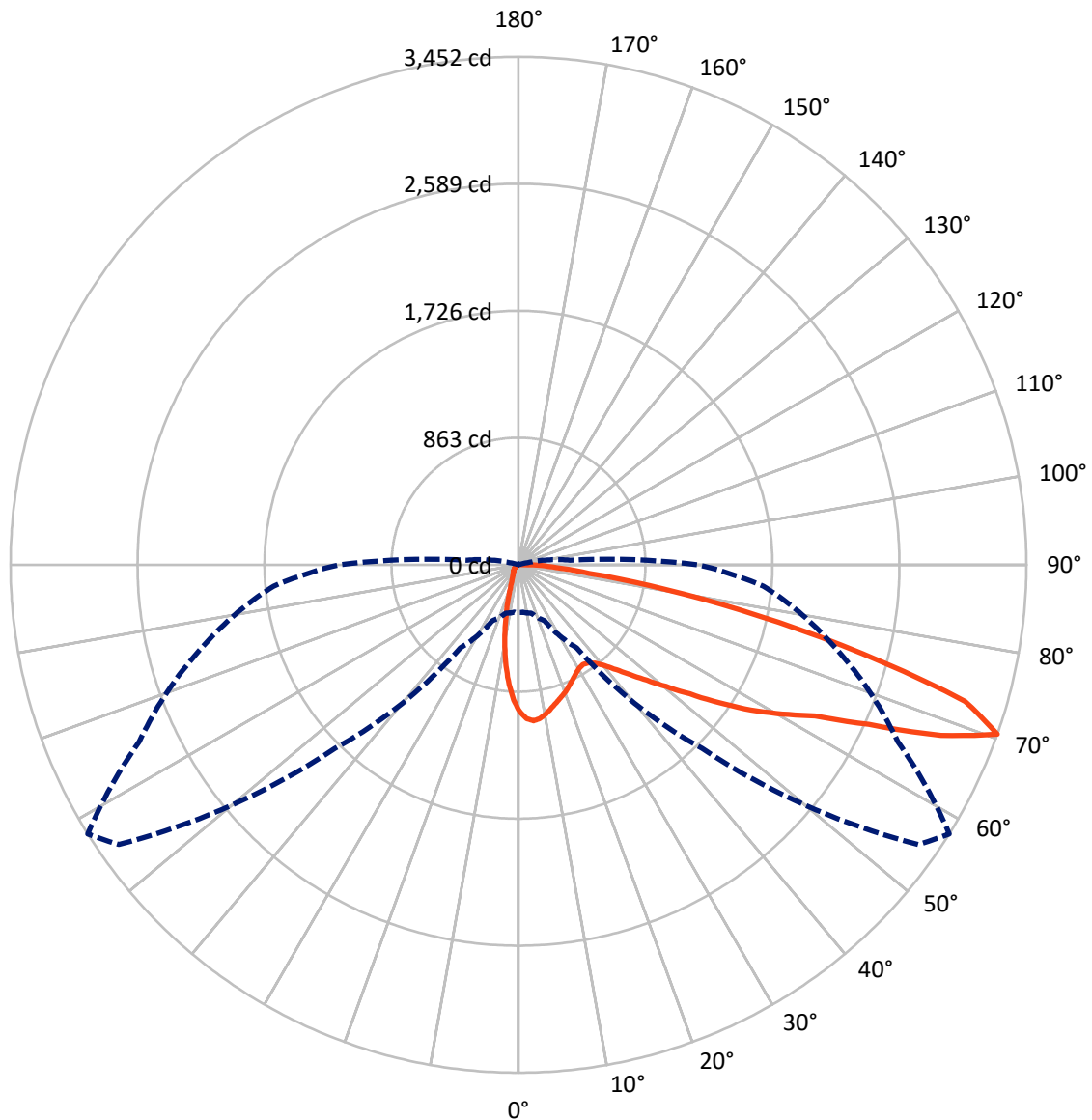
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P385602
CATALOG NUMBER: GAW-SA1A-830-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: GAW-SA1A-830-U-SL3-HSS

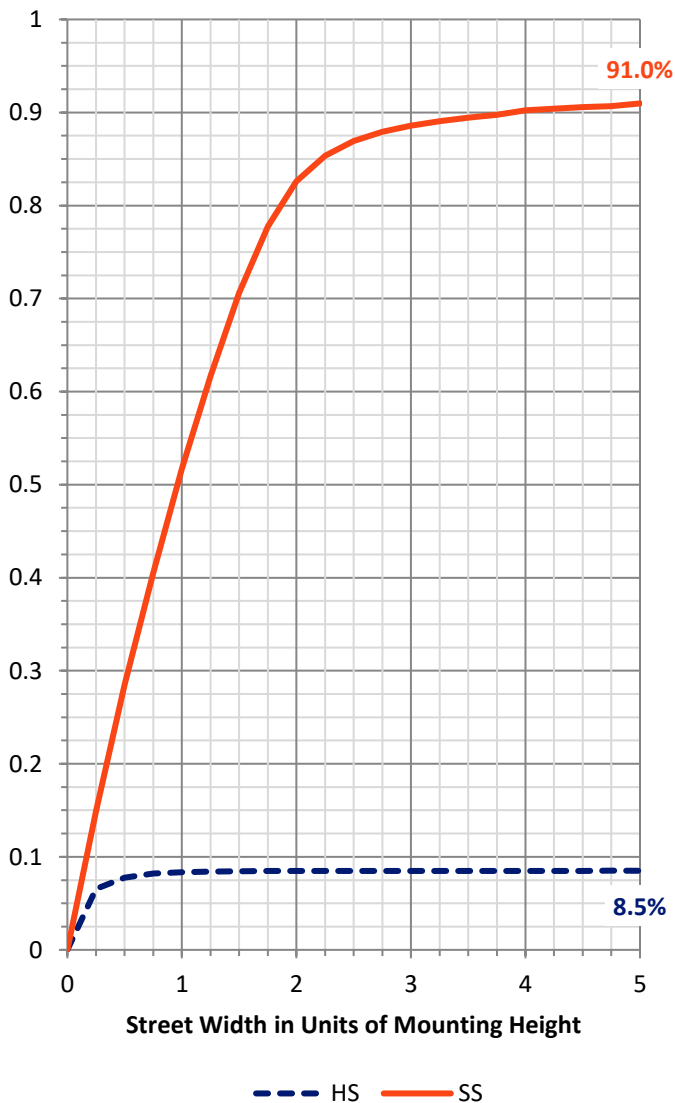
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.2	0.0	289.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	3089.8	0.0	3089.8
	% Fixture	91.4	0.0	91.4
Total	Lumens	3379.0	0.0	3379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	2.4
10°-20°	171.3	5.1
20°-30°	225.2	6.7
30°-40°	298.3	8.8
40°-50°	445.8	13.2
50°-60°	714.2	21.1
60°-70°	900.2	26.6
70°-80°	485.6	14.4
80°-90°	56.8	1.7
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°	3379.0	100.0
0°-180°	3379.0	100.0

Coefficient of Utilization

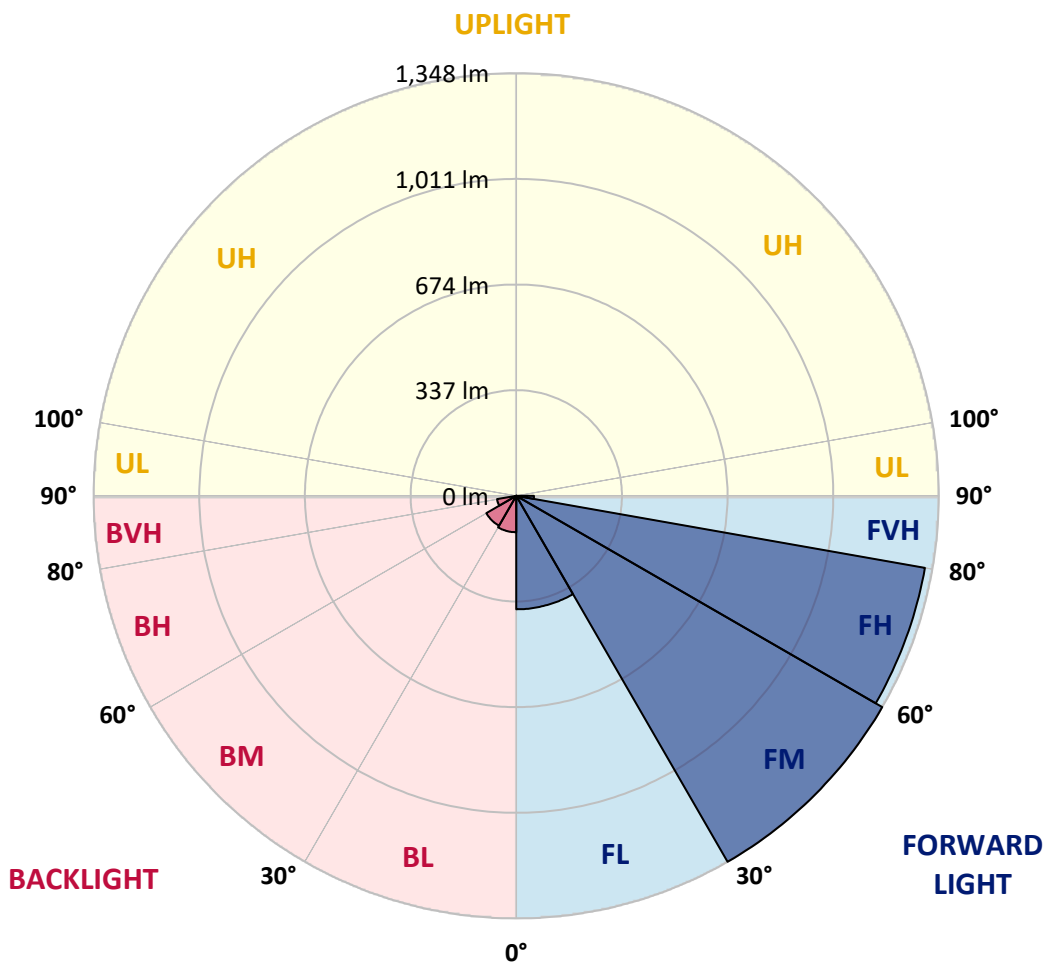


REPORT NUMBER: P385602
 CATALOG NUMBER: GAW-SA1A-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.0	10.7			
FM (30°-60°)	1347.9	39.9			
FH (60°-80°)	1323.6	39.2			G1/1800
FVH (80°-90°)	56.3	1.7			G1/100
BL (0°-30°)	116.2	3.4	B1/500		
BM (30°-60°)	110.3	3.3	B0/220		
BH (60°-80°)	62.2	1.8	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1
 Type III Medium





REPORT NUMBER: P385602

CATALOG NUMBER: GAW-SA1A-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1
2.5°	1080.9	1078.2	1077.2	1075.6	1069.1	1062.8	1050.3	1046.8	1038.9	1020.2	1000.4
5°	1081.7	1081.6	1084.6	1083.8	1081.6	1078.6	1069.7	1065.0	1051.7	1025.0	988.7
7.5°	1029.6	1032.3	1038.9	1044.2	1050.4	1058.4	1059.5	1055.0	1044.1	1015.3	967.2
10°	959.6	963.9	973.1	983.7	999.8	1015.8	1030.2	1029.6	1025.8	997.4	941.4
12.5°	889.5	894.4	905.1	920.7	943.6	969.8	995.3	998.8	1005.2	981.4	917.5
15°	828.1	832.3	842.9	862.0	890.4	925.5	963.0	969.5	985.8	968.9	897.5
17.5°	776.0	778.7	786.4	807.6	840.5	883.1	931.8	944.5	968.8	959.1	880.3
20°	739.6	740.0	745.1	760.0	792.9	840.5	899.5	917.6	950.8	950.7	862.4
22.5°	721.6	720.2	721.2	729.8	753.9	799.9	867.2	888.7	934.6	943.5	844.3
25°	718.3	717.1	714.3	715.4	730.1	764.3	834.6	859.5	920.4	939.1	828.6
27.5°	728.8	729.9	725.1	720.1	721.2	741.3	805.7	834.5	908.9	939.1	817.5
30°	750.0	750.6	747.1	740.5	731.6	734.8	785.6	814.4	903.2	945.6	810.4
32.5°	773.5	776.6	776.1	770.8	758.2	745.1	780.8	807.1	902.7	959.9	809.7
35°	802.6	806.1	812.0	810.8	797.6	776.1	797.1	817.7	911.0	983.5	817.3
37.5°	833.5	838.8	851.5	857.5	848.9	824.6	833.6	848.4	933.2	1021.7	836.6
40°	863.4	869.4	892.5	916.2	909.8	884.8	889.0	900.8	972.7	1076.7	873.1
42.5°	892.8	901.8	935.6	974.7	982.4	962.5	964.7	974.1	1031.3	1152.3	932.8
45°	927.9	938.0	988.2	1036.4	1057.0	1048.3	1057.9	1064.0	1107.9	1252.2	1013.3
47.5°	979.5	991.1	1052.7	1107.6	1143.8	1149.5	1168.7	1172.8	1204.7	1368.5	1118.3
50°	1080.1	1083.3	1138.9	1188.8	1241.1	1274.8	1296.7	1299.8	1321.9	1495.7	1249.4
52.5°	1206.6	1208.8	1240.2	1273.7	1333.1	1401.9	1453.2	1457.6	1462.2	1619.6	1378.8
55°	1332.4	1332.1	1352.9	1372.6	1440.6	1540.6	1651.9	1654.6	1621.3	1737.2	1477.7
57.5°	1410.9	1418.5	1450.1	1475.4	1570.4	1698.7	1853.1	1862.9	1788.3	1824.3	1575.5
60°	1385.9	1389.6	1459.7	1553.3	1732.1	1923.4	2056.7	2059.2	1913.9	1911.3	1699.1
62.5°	1180.8	1182.8	1292.9	1485.8	1814.0	2214.8	2302.3	2261.1	2058.4	2032.0	1847.1
65°	809.3	822.1	914.1	1152.6	1663.6	2397.6	2682.5	2614.4	2278.6	2205.9	1980.8
67.5°	476.6	473.9	519.4	695.1	1221.8	2276.2	3163.4	3095.7	2578.8	2322.4	1941.6
70°	325.5	323.7	341.1	420.8	689.7	1765.7	3314.8	3451.5	2843.9	2244.0	1671.0
72.5°	232.4	233.4	259.1	327.0	433.0	1028.8	2850.5	3174.1	2760.9	1956.2	1270.2
75°	157.8	160.5	197.3	268.2	379.6	523.4	2022.8	2412.9	2248.2	1421.8	730.1
77.5°	84.9	87.8	131.2	216.1	343.3	363.6	1301.2	1660.6	1412.2	639.2	211.6
80°	35.4	37.1	61.4	157.1	296.6	319.4	765.6	1007.0	601.8	126.0	47.2
82.5°	15.3	16.2	25.6	93.7	221.7	269.6	405.4	484.5	182.4	27.7	23.7
85°	3.0	3.1	10.5	49.6	141.5	152.2	262.7	257.5	81.9	11.9	17.3
87.5°	0.0	0.0	2.5	15.6	41.6	82.9	160.3	158.3	27.8	5.8	6.5
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: P385602

CATALOG NUMBER: GAW-SA1A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1
2.5°	990.3	980.6	960.2	935.1	915.8	894.6	877.7	856.4	847.1	847.5	842.5
5°	968.1	948.1	903.0	846.1	802.3	757.0	718.1	679.3	656.4	649.0	642.0
7.5°	936.3	904.7	832.8	745.1	670.9	598.4	535.3	479.8	444.7	427.6	421.2
10°	900.5	856.1	752.0	636.5	530.5	432.5	350.7	279.6	251.2	232.0	227.1
12.5°	869.0	808.9	673.0	525.1	399.3	281.0	203.0	158.8	139.5	131.9	130.7
15°	839.4	764.8	597.0	424.2	276.5	173.0	129.1	114.1	109.6	108.3	108.3
17.5°	811.4	722.8	522.7	324.8	182.9	121.3	106.9	103.6	102.1	102.0	102.1
20°	782.2	680.7	449.6	238.0	127.7	102.7	98.8	96.9	96.5	96.5	96.5
22.5°	754.2	638.7	378.5	170.0	102.4	93.7	91.7	90.5	90.1	89.9	89.6
25°	727.4	598.8	309.1	120.1	89.9	85.8	84.2	82.5	81.2	80.5	80.1
27.5°	705.3	563.3	244.5	96.4	81.2	77.7	75.6	73.1	70.0	68.6	68.0
30°	687.8	530.8	188.4	81.4	73.1	69.5	66.3	62.0	57.5	55.1	54.9
32.5°	674.0	498.9	143.0	71.9	65.8	61.4	56.8	51.3	46.1	43.4	43.3
35°	667.3	470.8	109.3	65.1	59.3	53.8	48.1	42.0	37.0	34.4	34.1
37.5°	671.7	447.1	85.3	59.3	53.8	47.5	40.7	34.4	29.9	27.7	27.5
40°	688.2	431.9	69.3	54.4	49.2	41.4	34.1	28.2	24.4	22.6	22.5
42.5°	723.2	426.3	59.2	50.3	44.7	35.8	28.4	23.3	19.8	18.5	18.3
45°	781.6	434.6	52.3	46.4	40.0	30.5	23.5	19.1	16.0	15.0	14.9
47.5°	859.5	456.4	47.3	42.6	35.8	25.7	19.5	15.5	13.1	12.1	11.9
50°	959.8	490.9	43.3	38.8	31.9	21.8	16.2	12.2	10.1	9.4	9.4
52.5°	1069.0	532.1	39.6	35.3	28.0	18.1	13.1	9.4	8.0	7.2	7.2
55°	1159.2	568.1	35.7	32.6	23.2	15.0	10.0	7.2	5.9	5.5	5.5
57.5°	1249.2	606.4	31.2	28.0	18.5	12.2	7.6	5.3	4.4	4.1	4.1
60°	1366.0	653.3	26.8	22.8	14.6	9.3	5.6	3.8	3.2	3.1	3.1
62.5°	1494.4	680.9	22.9	18.3	11.4	6.9	4.1	2.5	2.4	2.4	2.2
65°	1572.9	642.0	19.2	14.6	8.9	5.2	2.7	1.8	2.1	2.0	1.7
67.5°	1472.8	502.6	15.7	11.4	6.9	3.9	1.7	1.3	2.2	1.8	1.4
70°	1219.4	351.8	12.2	8.0	5.5	3.4	1.1	0.8	2.4	1.8	1.1
72.5°	912.6	235.5	9.7	5.3	4.1	3.0	1.0	0.4	2.1	1.5	1.0
75°	498.6	94.8	7.7	3.4	2.5	2.1	0.7	0.3	1.4	1.1	0.7
77.5°	131.2	25.0	5.6	2.2	1.4	0.8	0.4	0.1	0.7	0.6	0.3
80°	33.4	9.7	3.7	1.5	1.0	0.4	0.0	0.0	0.1	0.0	0.0
82.5°	17.8	4.1	2.2	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.5	2.7	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	0.8	0.4	0.0	0.0	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)