

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526761

Luminaire Tested: **GALN-SA1D-727-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-727-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3909 lumens
Efficiency: N/A
Efficacy: 60.1 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

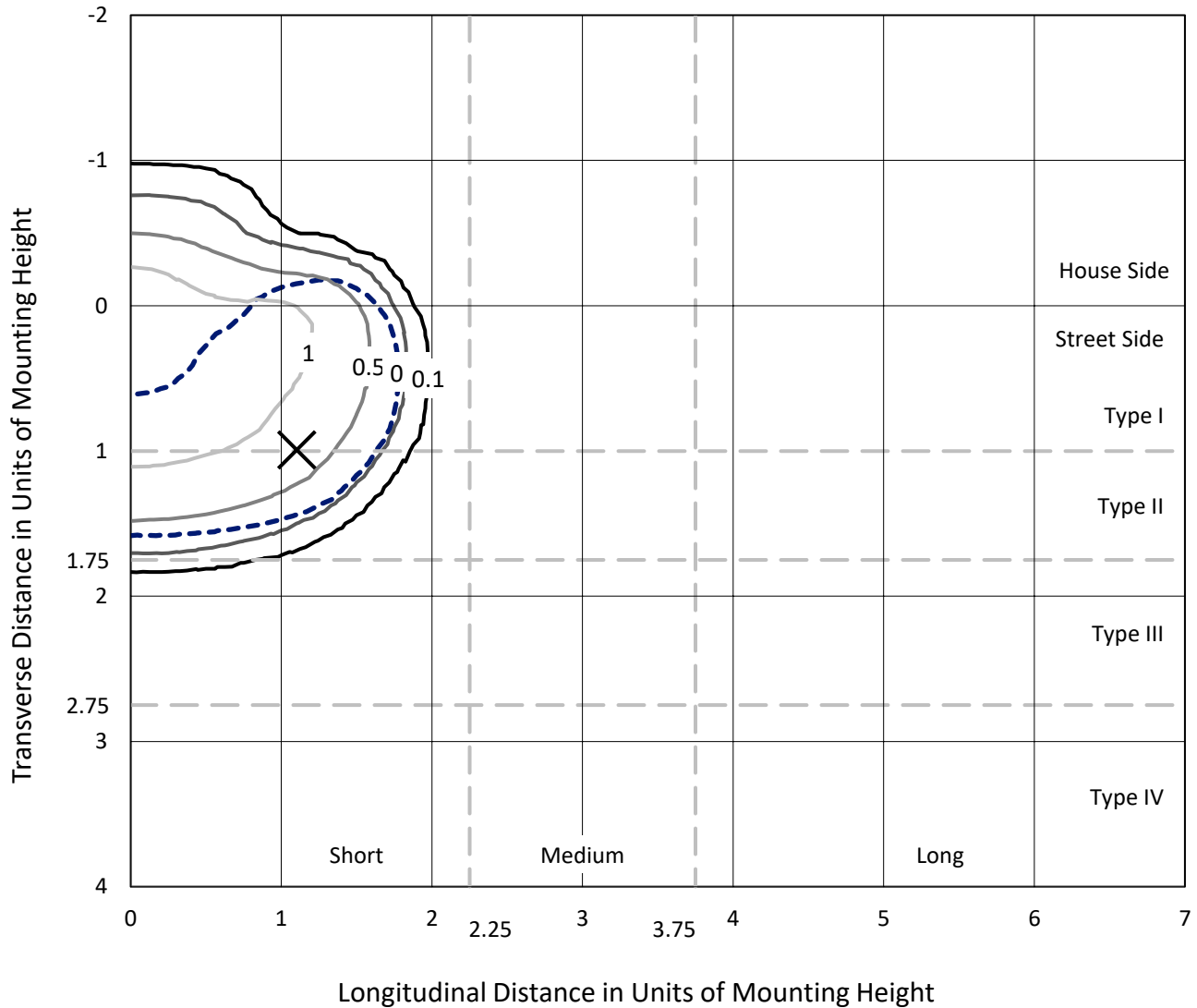
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526761
 CATALOG NUMBER: GALN-SA1D-727-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

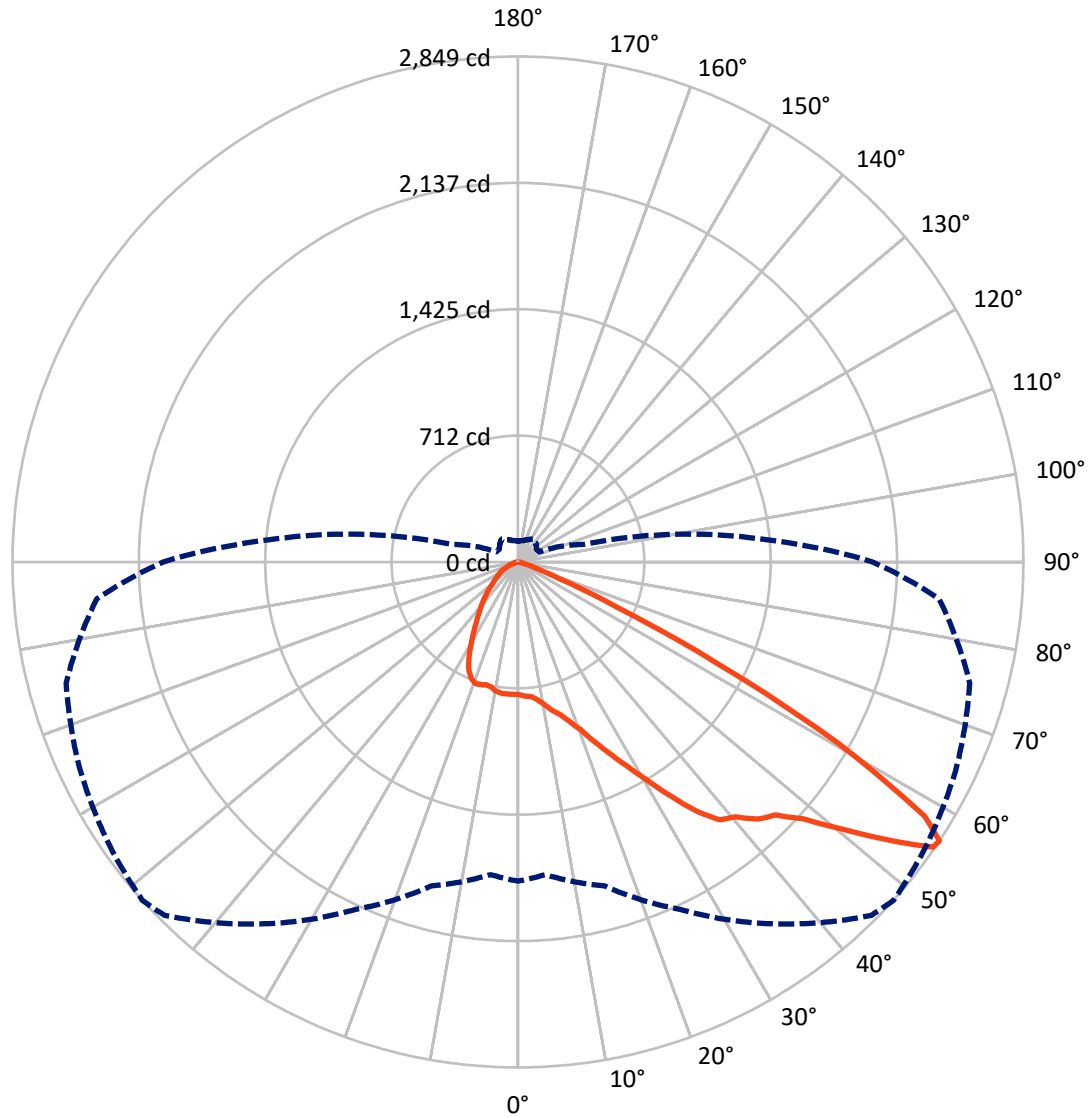
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

REPORT NUMBER: P526761
CATALOG NUMBER: GALN-SA1D-727-U-T3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526761
 CATALOG NUMBER: GALN-SA1D-727-U-T3-GRSBK

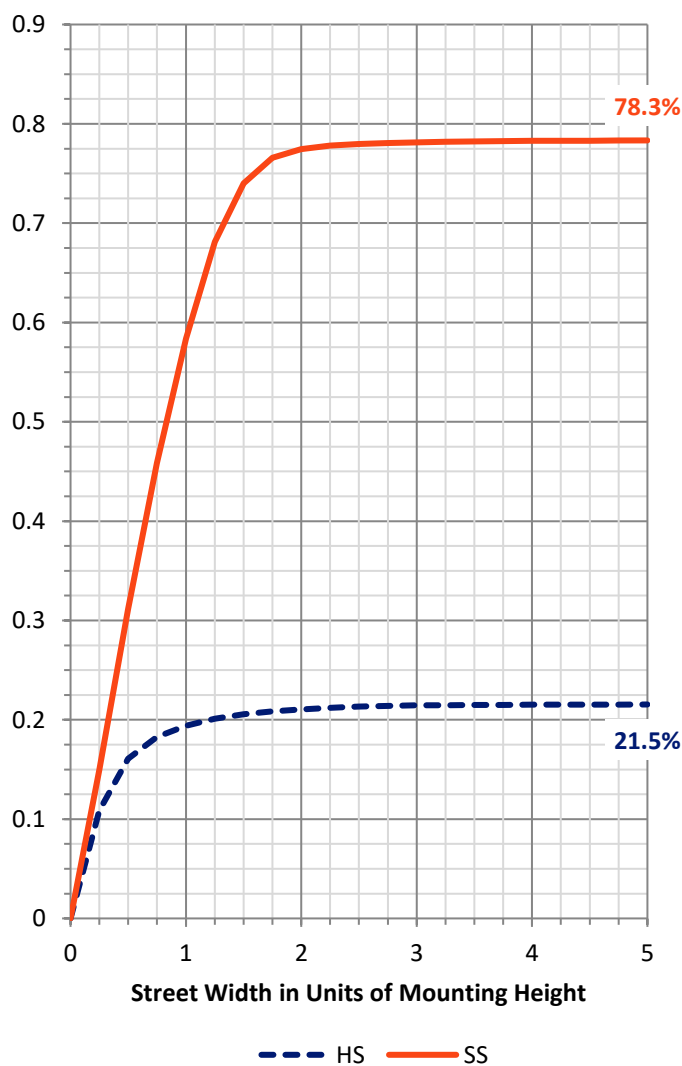
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.1	0.0	850.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3058.9	0.0	3058.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	3909.0	0.0	3909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	1.9
10°-20°	232.4	5.9
20°-30°	421.6	10.8
30°-40°	662.2	16.9
40°-50°	966.1	24.7
50°-60°	1163.9	29.8
60°-70°	340.8	8.7
70°-80°	43.2	1.1
80°-90°	6.1	0.2
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°	3909.0	100.0
0°-180°	3909.0	100.0

Coefficient of Utilization

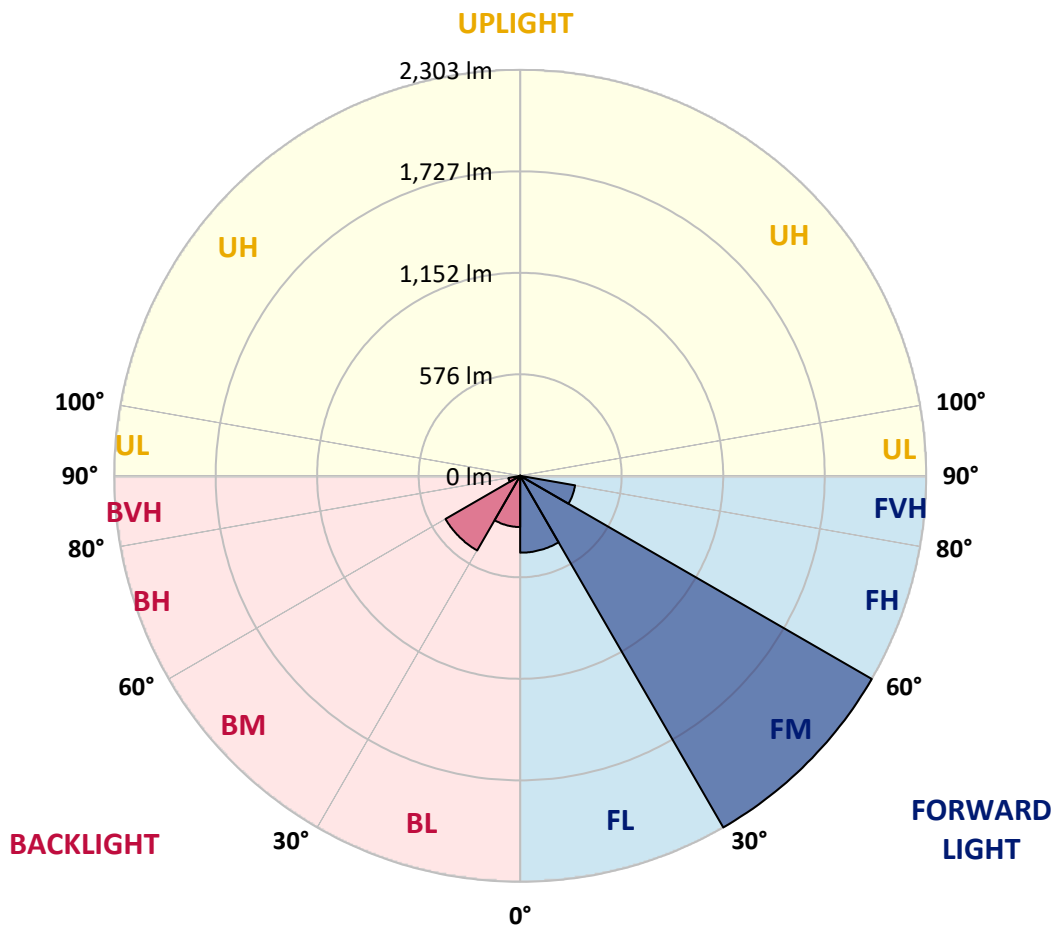


REPORT NUMBER: P526761
 CATALOG NUMBER: GALN-SA1D-727-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.2	11.2			
FM (30°-60°)	2303.2	58.9			
FH (60°-80°)	316.5	8.1			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	290.6	7.4	B1/500		
BM (30°-60°)	489.0	12.5	B1/1000		
BH (60°-80°)	67.6	1.7	B0/110		G0/110
BVH (80°-90°)	3.0	0.1			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





REPORT NUMBER: P526761

CATALOG NUMBER: GALN-SA1D-727-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	746.6	746.6	746.6	746.6	746.6	746.6	746.6	746.6	746.6	746.6	746.6
2.5°	760.1	756.6	756.6	750.9	757.3	754.4	756.6	749.5	756.6	745.9	754.4
5°	763.7	764.4	761.6	765.1	765.1	769.4	762.3	768.7	772.2	764.4	760.9
7.5°	782.2	783.6	782.9	780.1	785.8	785.1	784.3	779.4	780.8	777.9	773.7
10°	818.5	817.8	821.4	814.2	810.0	814.9	816.4	808.5	802.8	800.7	787.2
12.5°	871.2	862.6	857.7	850.5	852.7	845.6	858.4	844.8	842.0	829.2	815.7
15°	913.9	912.5	913.2	901.8	889.0	891.8	891.8	884.7	880.4	864.8	845.6
17.5°	1001.4	971.5	977.9	963.7	953.0	952.3	945.9	947.3	935.9	903.2	874.0
20°	1069.8	1056.9	1047.0	1022.8	1006.4	1011.4	1008.5	1001.4	997.9	955.2	913.9
22.5°	1131.0	1135.2	1118.9	1112.5	1089.7	1091.8	1097.5	1091.1	1064.1	1019.9	958.7
25°	1217.1	1212.1	1190.0	1182.2	1160.9	1168.7	1190.7	1185.8	1168.7	1089.0	993.6
27.5°	1318.9	1301.8	1306.1	1270.5	1249.8	1271.9	1298.2	1323.1	1274.7	1170.1	1034.9
30°	1390.8	1373.0	1371.5	1370.1	1365.1	1390.8	1421.4	1444.1	1405.0	1251.2	1103.2
32.5°	1426.3	1430.6	1442.7	1438.4	1481.9	1534.5	1566.6	1599.3	1550.2	1383.6	1193.6
35°	1521.0	1494.0	1521.0	1523.8	1568.7	1680.4	1721.0	1799.3	1787.2	1570.8	1303.9
37.5°	1576.5	1574.4	1577.9	1605.0	1648.4	1786.5	1844.1	1904.6	1881.9	1683.3	1441.3
40°	1668.3	1674.0	1673.3	1694.0	1741.6	1866.2	1889.7	1938.8	1940.9	1839.1	1643.4
42.5°	1815.7	1792.9	1777.9	1799.3	1866.2	1935.2	1982.2	1972.2	2042.7	2028.5	1903.2
45°	1948.0	1961.6	1939.5	1975.1	1999.3	2036.3	2034.9	2056.2	2145.9	2213.5	2098.9
47.5°	2071.9	2080.4	2091.1	2115.3	2168.0	2173.7	2161.6	2152.3	2276.2	2345.9	2250.5
50°	2145.9	2153.7	2203.6	2247.0	2345.2	2358.0	2365.1	2341.6	2425.6	2433.5	2393.6
52.5°	2126.0	2134.5	2204.3	2347.3	2503.9	2621.4	2600.0	2560.1	2555.2	2585.8	2526.0
55°	1949.5	1941.6	2037.7	2260.5	2553.7	2835.6	2838.4	2796.4	2716.0	2695.4	2506.1
56°	1799.3	1768.7	1891.1	2160.1	2489.7	2817.1	2849.1	2804.3	2728.8	2636.3	2382.9
57.5°	1474.0	1503.2	1624.9	1847.7	2268.3	2684.0	2702.5	2691.8	2634.9	2479.7	2096.8
60°	812.8	864.1	971.5	1244.1	1614.9	2059.8	2074.7	2161.6	2172.2	1898.9	1442.7
62.5°	345.2	339.5	451.2	652.0	919.6	1243.4	1271.2	1360.1	1376.5	1094.7	723.8
65°	140.2	148.0	204.3	328.1	486.1	566.5	605.7	634.9	689.0	452.0	266.9
67.5°	92.5	91.8	120.3	187.2	261.9	252.7	252.7	266.9	247.0	184.3	115.3
70°	66.2	68.3	86.1	129.5	163.0	121.0	116.0	111.0	126.0	121.7	93.2
72.5°	43.4	46.3	57.7	77.6	84.7	66.2	66.2	79.7	103.9	98.2	76.2
75°	28.5	29.2	35.6	44.8	42.0	34.2	37.7	53.4	75.4	72.6	54.1
77.5°	19.2	19.9	24.2	29.2	23.5	19.2	20.6	27.0	37.0	37.0	28.5
80°	7.1	7.8	10.0	9.3	10.7	13.5	14.9	18.5	22.1	22.1	19.2
82.5°	0.0	0.7	2.1	5.0	7.8	10.7	12.1	14.2	16.4	18.5	17.8
85°	0.0	0.7	2.1	3.6	5.7	6.4	7.1	5.0	4.3	4.3	3.6
87.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4	0.7	0.7
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: P526761

CATALOG NUMBER: GALN-SA1D-727-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	746.6	746.6	746.6	746.6	746.6	746.6	746.6	746.6	746.6	746.6	746.6
2.5°	746.6	745.9	745.9	743.8	748.0	745.9	747.3	746.6	737.4	744.5	739.5
5°	754.4	759.4	751.6	750.2	744.5	746.6	746.6	739.5	745.9	745.2	743.8
7.5°	774.4	765.8	757.3	748.8	747.3	745.2	737.4	734.5	739.5	733.8	742.4
10°	782.9	784.3	771.5	760.1	749.5	734.5	723.8	717.4	709.6	718.2	723.1
12.5°	822.1	807.8	785.8	768.0	731.7	716.7	706.1	703.2	716.7	719.6	714.6
15°	835.6	833.5	805.0	765.1	727.4	709.6	711.7	706.1	707.5	700.4	701.8
17.5°	863.3	839.1	805.7	755.9	726.7	722.4	709.6	686.8	674.0	668.3	673.3
20°	894.0	870.5	822.1	759.4	733.1	721.7	679.7	652.0	625.6	611.4	612.1
22.5°	921.0	891.8	814.9	760.9	738.8	691.8	641.3	586.5	553.7	531.7	532.4
25°	953.7	912.5	817.8	763.7	723.8	644.1	571.5	518.2	479.0	464.1	469.0
27.5°	972.2	925.3	833.5	770.1	684.7	576.5	498.2	448.4	425.6	418.5	417.8
30°	1027.8	953.7	852.7	757.3	619.2	503.9	431.3	400.7	378.6	372.2	373.7
32.5°	1110.3	1005.7	877.6	723.8	552.3	439.1	387.9	365.1	344.5	332.4	331.0
35°	1179.4	1094.7	903.9	671.9	474.7	389.3	357.3	328.8	297.5	284.0	280.4
37.5°	1311.0	1195.0	898.2	593.6	400.7	352.3	324.6	289.7	262.6	244.1	242.0
40°	1486.1	1312.5	870.5	498.2	345.9	319.6	289.7	256.2	222.8	207.1	205.7
42.5°	1698.9	1456.2	819.9	401.4	291.1	286.8	259.8	221.4	191.5	180.1	180.8
45°	1871.9	1579.4	768.7	322.4	250.5	254.8	231.3	195.0	174.4	165.1	165.1
47.5°	2025.6	1662.6	713.2	266.2	212.8	222.8	202.1	180.8	163.0	155.9	154.4
50°	2173.7	1747.3	657.7	215.7	181.5	191.5	189.3	172.2	158.0	149.5	150.2
52.5°	2266.2	1760.9	587.2	176.5	158.7	170.1	177.2	161.6	145.9	140.9	139.5
55°	2153.0	1586.5	455.5	145.2	134.5	149.5	163.0	145.2	133.1	124.6	123.8
56°	2000.7	1418.5	380.8	133.8	127.4	143.8	158.0	138.8	125.3	120.3	116.7
57.5°	1694.0	1160.9	281.1	118.9	118.1	133.8	150.2	132.4	116.7	112.5	112.5
60°	1056.2	653.4	170.1	99.6	102.5	118.9	135.2	118.1	103.9	103.9	106.1
62.5°	481.1	271.9	103.2	84.7	88.3	102.5	120.3	106.8	98.9	106.8	108.2
65°	163.7	117.4	74.7	67.6	69.8	84.7	103.2	108.2	107.5	112.5	115.3
67.5°	91.8	75.4	62.6	56.2	54.8	62.6	84.7	108.2	103.9	101.8	103.2
70°	77.6	64.1	55.5	49.8	47.7	50.5	65.5	81.9	73.3	71.2	69.8
72.5°	62.6	53.4	48.4	44.8	38.4	32.7	29.9	31.3	34.9	37.0	40.6
75°	44.1	40.6	40.6	36.3	27.8	20.6	16.4	13.5	9.3	6.4	7.1
77.5°	24.9	24.9	25.6	22.1	17.8	13.5	10.0	7.1	3.6	1.4	0.7
80°	17.1	18.5	19.9	17.8	14.9	12.1	8.5	5.0	2.1	0.0	0.0
82.5°	17.1	19.2	20.6	17.8	14.9	11.4	8.5	5.0	2.1	0.7	0.0
85°	3.6	4.3	5.0	5.7	8.5	8.5	6.4	4.3	2.1	0.7	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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)