

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: P526549

Luminaire Tested: **GALN-SA1C-730-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-730-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3822 lumens
Efficiency: N/A
Efficacy: 67.1 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

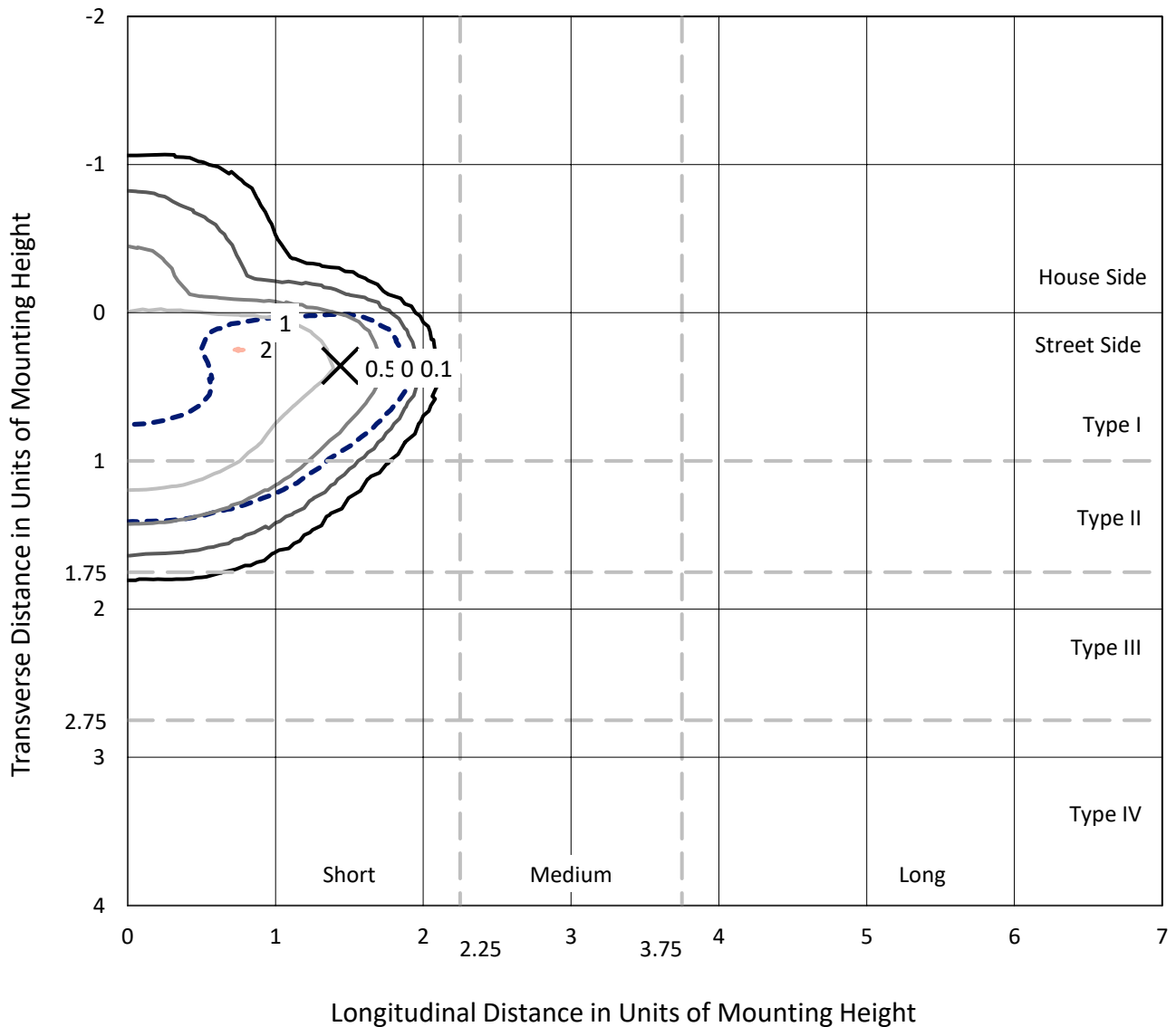
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

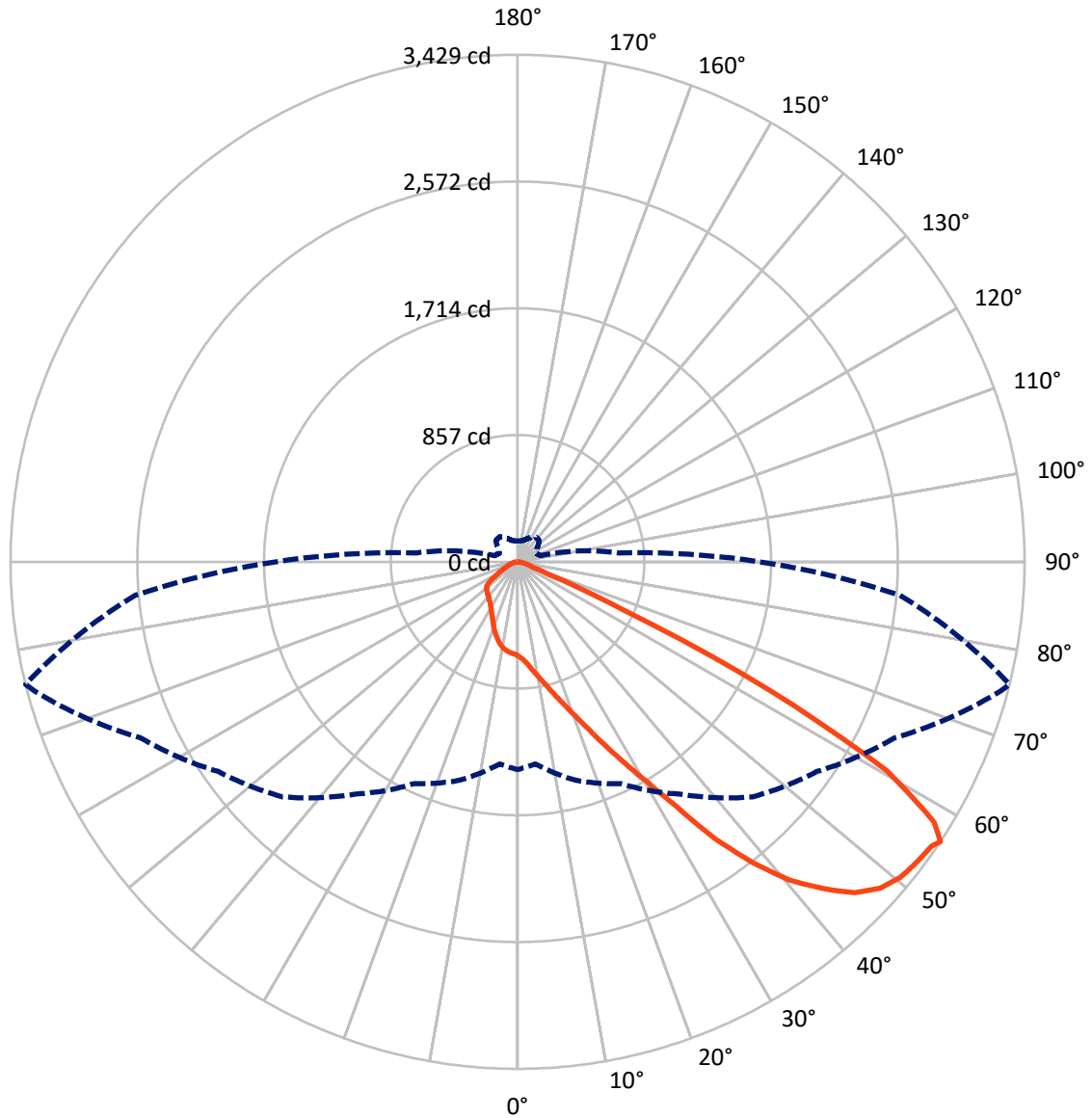
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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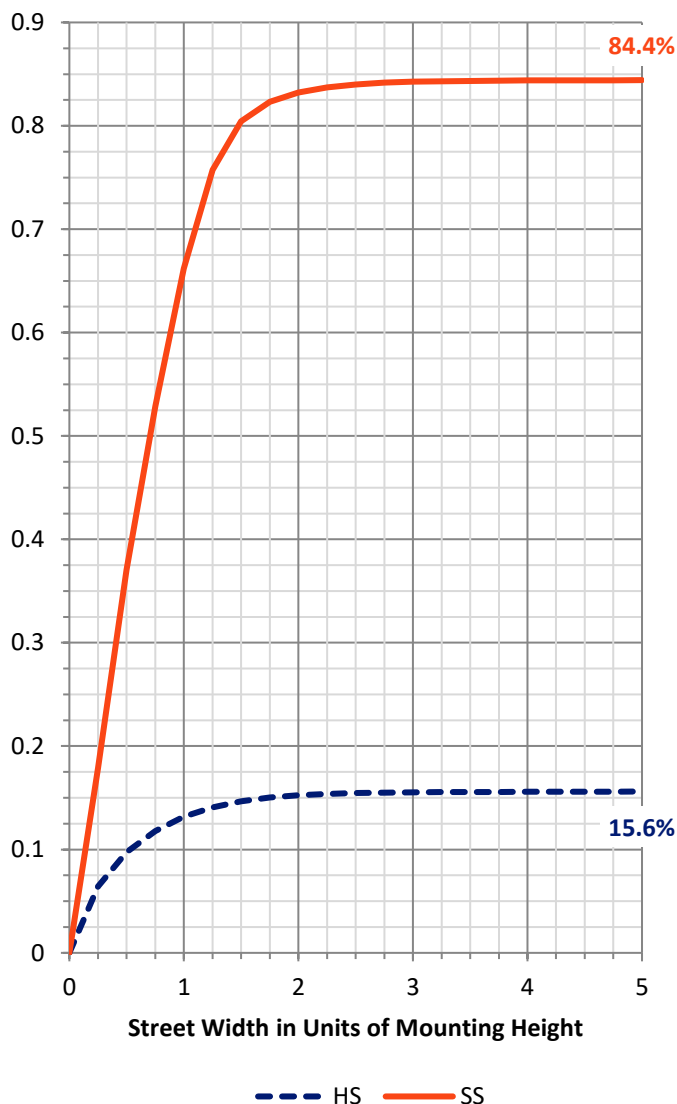
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.4	0.0	600.4
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	3221.6	0.0	3221.6
	% Fixture	84.3	0.0	84.3
Total	Lumens	3822.0	0.0	3822.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	1.7
10°-20°	205.9	5.4
20°-30°	373.3	9.8
30°-40°	643.8	16.8
40°-50°	1045.9	27.4
50°-60°	1102.4	28.8
60°-70°	336.8	8.8
70°-80°	43.2	1.1
80°-90°	6.6	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°	3822.0	100.0
0°-180°	3822.0	100.0

Coefficient of Utilization

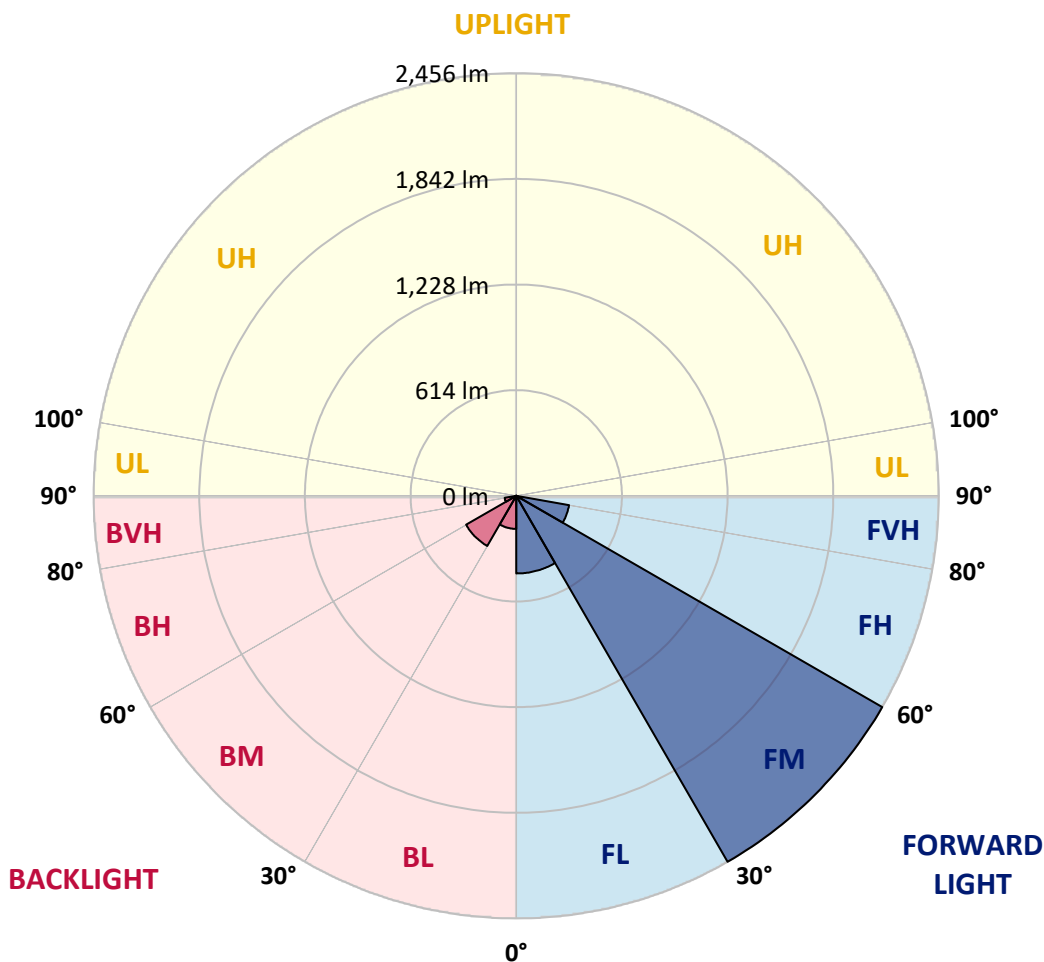


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.2	11.8			
FM (30°-60°)	2455.6	64.2			
FH (60°-80°)	311.5	8.2			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	192.1	5.0	B1/500		
BM (30°-60°)	336.5	8.8	B1/1000		
BH (60°-80°)	68.5	1.8	B0/110		G0/110
BVH (80°-90°)	3.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2
2.5°	732.7	715.8	716.5	715.1	713.0	705.2	682.0	678.4	662.9	658.7	644.6
5°	820.8	806.0	814.4	801.7	789.8	782.7	744.7	727.1	702.4	693.2	673.5
7.5°	875.7	868.7	865.8	866.6	855.3	837.7	820.8	782.0	748.9	741.9	700.3
10°	902.5	898.3	902.5	900.4	905.3	907.4	877.8	854.6	806.0	794.0	729.2
12.5°	908.8	917.3	920.8	930.0	941.9	962.4	960.3	928.6	863.7	856.0	773.6
15°	924.3	931.4	927.8	942.6	965.2	999.7	1018.0	1013.1	943.3	929.3	825.0
17.5°	938.4	925.7	937.7	967.3	989.8	1042.7	1087.1	1107.5	1030.0	1013.8	872.2
20°	957.4	953.9	951.8	966.6	1006.8	1077.2	1165.3	1202.6	1127.2	1110.3	939.8
22.5°	1015.2	1015.9	1014.5	992.7	1021.5	1101.2	1233.6	1325.9	1243.5	1229.4	1016.6
25°	1091.3	1082.1	1075.1	1057.5	1054.0	1123.0	1302.6	1476.7	1383.0	1373.1	1099.7
27.5°	1171.6	1171.6	1150.5	1134.3	1111.7	1177.2	1366.1	1623.2	1551.3	1538.0	1172.3
30°	1259.0	1263.9	1261.1	1226.6	1212.5	1236.4	1430.9	1810.6	1744.4	1727.5	1292.1
32.5°	1387.9	1377.3	1389.3	1360.4	1318.9	1340.0	1533.0	1978.3	1995.2	1971.2	1449.2
35°	1558.4	1552.0	1544.3	1497.1	1447.8	1464.7	1677.5	2184.7	2310.1	2298.1	1607.7
37.5°	1711.3	1707.7	1701.4	1669.0	1611.9	1632.4	1841.6	2399.6	2617.3	2577.8	1831.7
40°	1871.9	1890.9	1870.5	1841.6	1789.5	1834.6	2034.6	2527.1	2875.8	2827.9	2002.9
42.5°	2089.6	2074.8	2084.0	2031.1	2002.9	2052.3	2228.4	2654.6	3076.6	3019.6	2184.7
45°	2321.4	2322.1	2297.4	2280.5	2207.2	2260.8	2347.4	2725.1	3236.5	3192.2	2322.1
47.5°	2470.0	2469.3	2496.1	2522.9	2447.5	2394.6	2428.5	2792.0	3319.0	3298.5	2372.1
50°	2446.8	2453.8	2488.3	2588.4	2627.8	2556.7	2504.6	2772.3	3356.3	3354.2	2415.1
52.5°	2128.3	2151.6	2209.4	2353.8	2552.5	2640.5	2584.2	2808.9	3374.6	3378.2	2479.2
55°	1620.4	1633.1	1743.0	1918.4	2138.2	2439.7	2552.5	2837.8	3388.7	3395.1	2556.7
56°	1405.5	1371.7	1530.2	1654.9	1917.7	2247.4	2472.1	2815.2	3380.3	3428.9	2595.4
57.5°	1061.0	1038.5	1166.7	1322.4	1575.3	1923.3	2222.7	2708.9	3323.2	3322.5	2539.8
60°	645.3	622.8	721.4	813.0	954.6	1184.3	1502.0	2157.2	2809.6	2868.8	2056.5
62.5°	384.0	398.1	495.3	550.9	596.7	620.7	777.1	1282.2	1874.7	1917.0	1275.9
65°	255.7	260.7	333.9	425.5	446.0	355.1	316.3	519.2	813.0	786.9	526.3
67.5°	157.8	169.1	224.0	319.9	354.4	259.3	150.1	193.7	224.0	224.0	152.2
70°	95.8	101.5	149.4	217.7	243.1	167.0	109.2	109.2	107.8	105.7	90.9
72.5°	45.8	49.3	76.1	112.0	114.1	88.1	84.5	92.3	90.2	89.5	75.4
75°	19.7	21.1	26.8	35.2	40.2	37.3	51.4	66.2	68.3	66.2	54.2
77.5°	6.3	7.0	9.9	12.7	13.4	16.2	21.8	27.5	31.7	29.6	26.8
80°	0.7	1.4	2.8	6.3	9.9	12.7	16.2	18.3	20.4	20.4	19.0
82.5°	0.7	0.7	2.8	5.6	9.2	12.0	15.5	17.6	20.4	21.1	19.7
85°	0.0	0.7	2.1	4.9	7.7	7.7	7.0	7.0	4.9	4.9	4.9
87.5°	0.0	0.0	0.7	0.7	0.7	1.4	1.4	1.4	1.4	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°	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2
2.5°	641.8	640.4	621.4	609.4	603.1	590.4	582.6	577.0	572.8	567.8	568.5
5°	650.3	645.3	613.6	591.8	565.7	551.6	539.7	529.8	523.5	522.0	519.2
7.5°	674.2	648.2	600.2	560.8	527.7	513.6	503.0	496.7	499.5	493.2	498.1
10°	692.5	653.8	584.0	527.0	493.9	483.3	477.7	482.6	489.6	486.8	483.3
12.5°	715.1	659.4	558.0	494.6	463.6	455.8	465.7	474.8	488.9	494.6	487.5
15°	740.4	665.8	524.9	457.2	437.5	443.8	460.8	477.0	491.0	498.1	502.3
17.5°	771.4	663.7	492.5	427.6	412.8	431.2	451.6	466.4	487.5	498.1	495.3
20°	800.3	656.6	456.5	398.1	398.8	415.7	432.6	456.5	467.8	481.9	477.0
22.5°	827.8	643.9	419.2	377.6	377.6	403.7	412.1	427.6	437.5	444.5	443.8
25°	866.6	620.0	388.2	357.9	366.3	383.3	390.3	395.2	391.0	396.6	397.3
27.5°	894.0	595.3	362.8	340.3	355.8	368.5	366.3	363.5	353.7	345.9	350.8
30°	923.6	566.4	341.0	328.3	336.8	348.0	339.6	331.1	315.6	302.9	303.6
32.5°	965.9	553.0	322.0	314.2	325.5	326.9	317.7	305.1	289.6	277.6	276.9
35°	1044.8	544.6	305.8	305.1	307.2	307.9	298.7	283.2	276.9	267.0	270.5
37.5°	1123.7	540.4	294.5	291.7	291.0	291.7	281.1	266.3	278.3	277.6	279.0
40°	1224.4	559.4	278.3	274.8	275.5	275.5	262.1	257.9	279.0	281.1	281.8
42.5°	1326.6	583.3	267.7	256.4	259.3	259.3	252.2	247.3	262.1	248.0	245.9
45°	1415.4	618.6	256.4	238.1	245.2	248.7	246.6	238.1	229.0	205.0	205.0
47.5°	1444.3	649.6	243.1	220.5	226.1	241.6	235.3	217.7	201.5	181.8	180.4
50°	1495.0	683.4	232.5	200.1	212.1	231.1	224.7	207.1	188.8	174.7	175.4
52.5°	1547.1	722.1	212.8	176.1	190.9	222.6	222.6	202.9	174.7	164.9	163.4
55°	1625.3	720.7	177.5	144.4	170.5	209.9	213.5	181.8	156.4	148.7	148.7
56°	1636.6	688.3	159.9	135.3	161.3	206.4	207.1	176.1	149.4	140.9	140.9
57.5°	1552.0	621.4	140.2	124.0	150.1	200.1	200.8	171.2	143.7	131.7	130.3
60°	1194.2	420.6	116.9	110.6	136.0	180.4	183.9	155.7	126.1	116.9	116.2
62.5°	674.2	233.2	102.9	100.0	116.9	153.6	164.2	136.0	107.1	102.2	103.6
65°	307.9	128.2	86.7	81.0	94.4	118.4	132.4	112.0	88.1	82.4	82.4
67.5°	112.7	87.4	74.0	64.1	66.2	76.8	86.0	72.6	58.5	50.0	52.1
70°	80.3	73.3	64.8	55.7	51.4	50.0	49.3	40.9	28.9	22.5	24.0
72.5°	64.8	60.6	54.2	47.2	40.2	33.8	28.9	21.1	13.4	9.2	8.5
75°	46.5	44.4	39.5	33.8	28.2	24.0	19.7	13.4	7.0	3.5	3.5
77.5°	24.0	24.0	23.2	21.1	17.6	14.1	11.3	7.7	4.2	1.4	1.4
80°	18.3	19.7	20.4	18.3	16.2	12.7	9.2	5.6	2.8	0.7	0.7
82.5°	17.6	20.4	21.8	19.0	16.2	12.0	9.2	5.6	2.8	0.7	0.7
85°	4.2	4.2	6.3	7.0	9.2	9.9	7.7	4.9	2.1	0.7	0.7
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	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)