

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: STREETWORKS

Report Number: P1209942

Luminaire Tested: **ARCH1-30-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-30-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

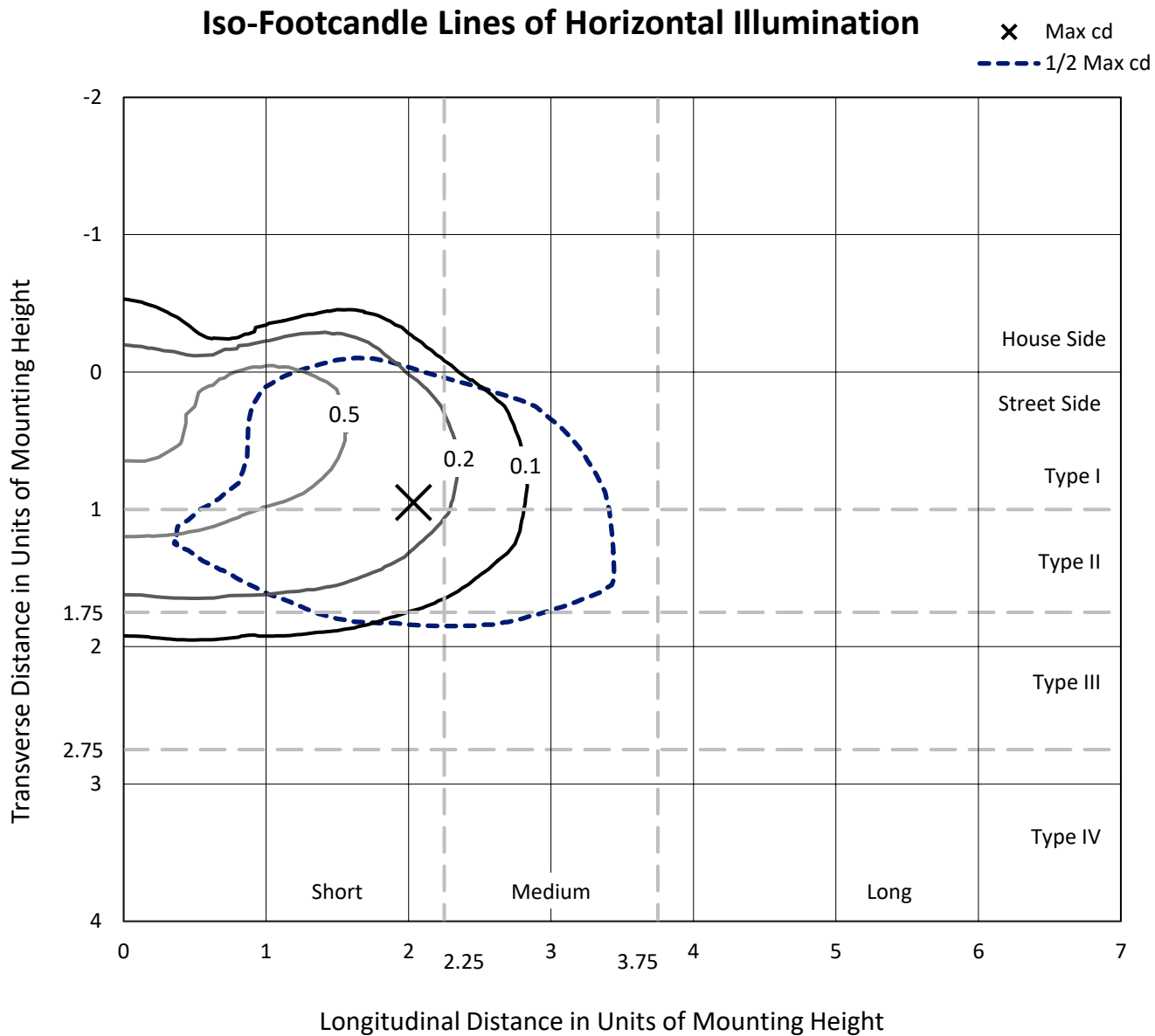
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2857 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 33
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

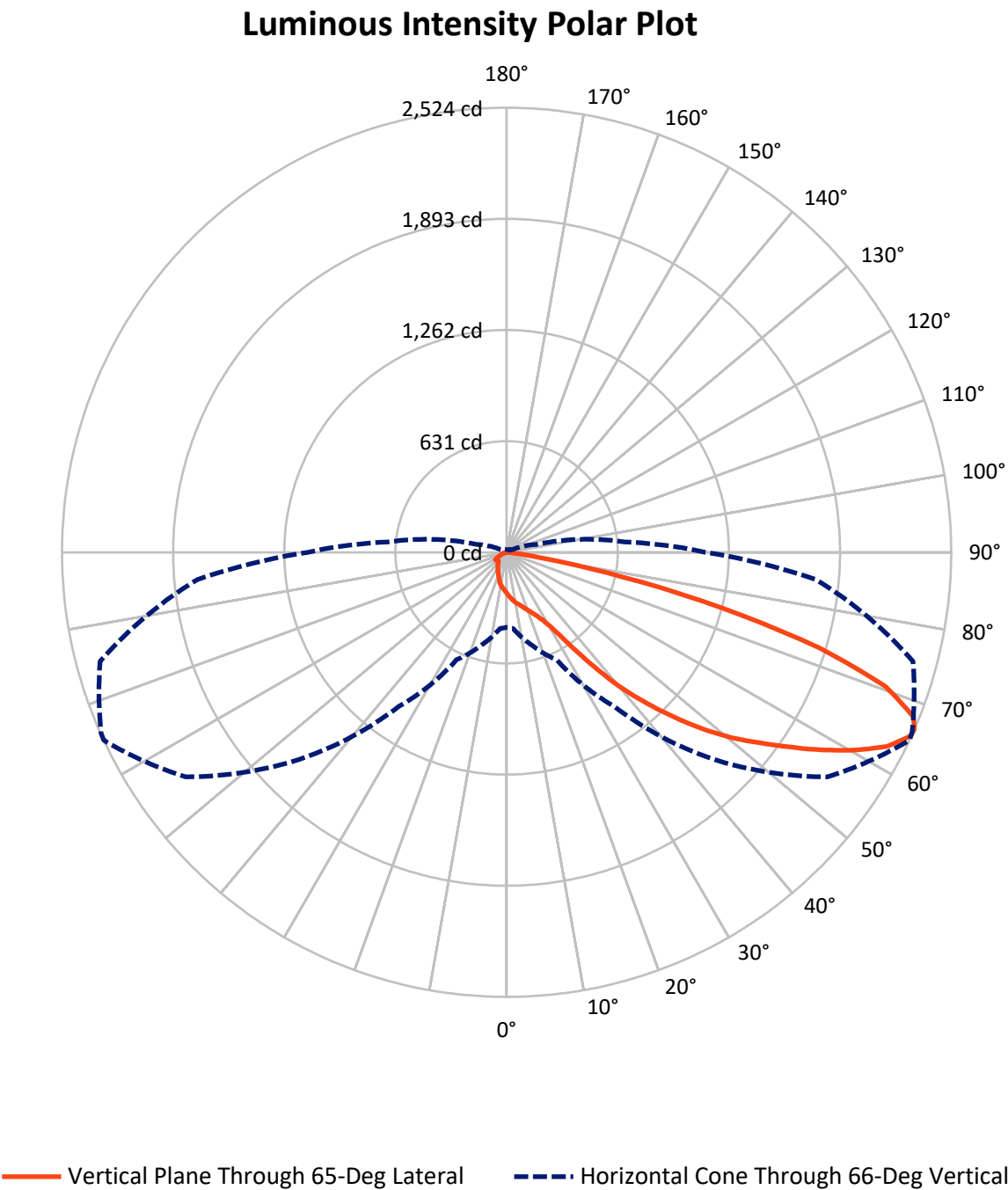


REPORT NUMBER: P1209942
CATALOG NUMBER: ARCH1-30-722-U-T3RE-HSS



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type III - Short - N/A

REPORT NUMBER: P1209942
CATALOG NUMBER: ARCH1-30-722-U-T3RE-HSS



REPORT NUMBER: P1209942

CATALOG NUMBER: ARCH1-30-722-U-T3RE-HSS

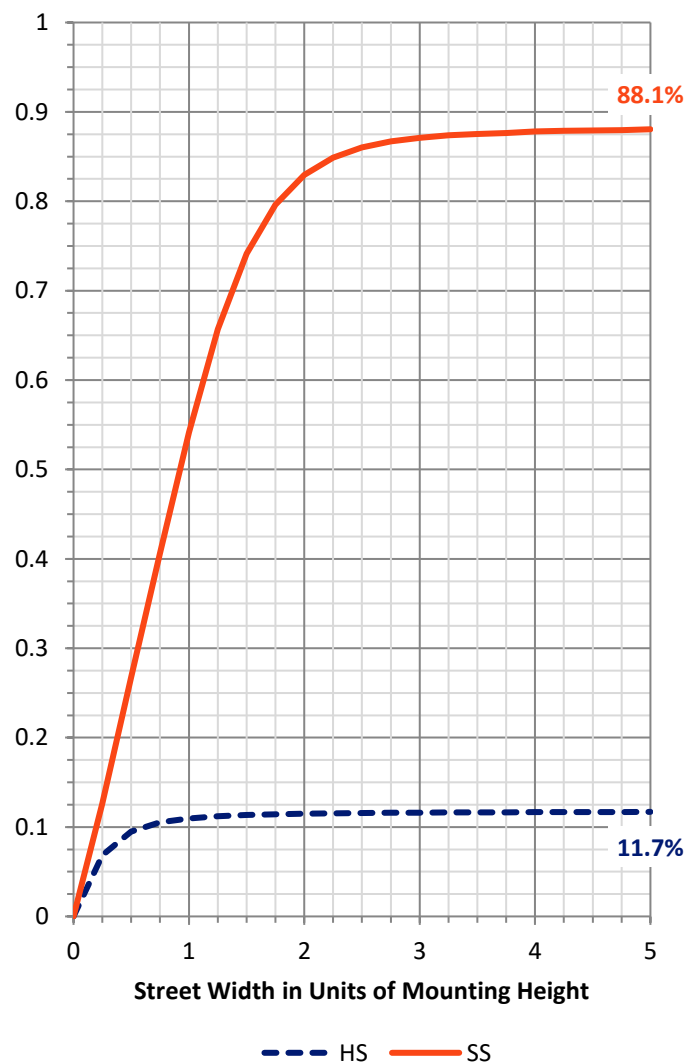
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	337.2	0.0	337.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2519.8	0.0	2519.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	2857.0	0.0	2857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.8
10°-20°	65.3	2.3
20°-30°	119.6	4.2
30°-40°	242.9	8.5
40°-50°	513.0	18.0
50°-60°	788.7	27.6
60°-70°	793.9	27.8
70°-80°	296.6	10.4
80°-90°	14.8	0.5
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°	2857.0	100.0
0°-180°	2857.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1209942

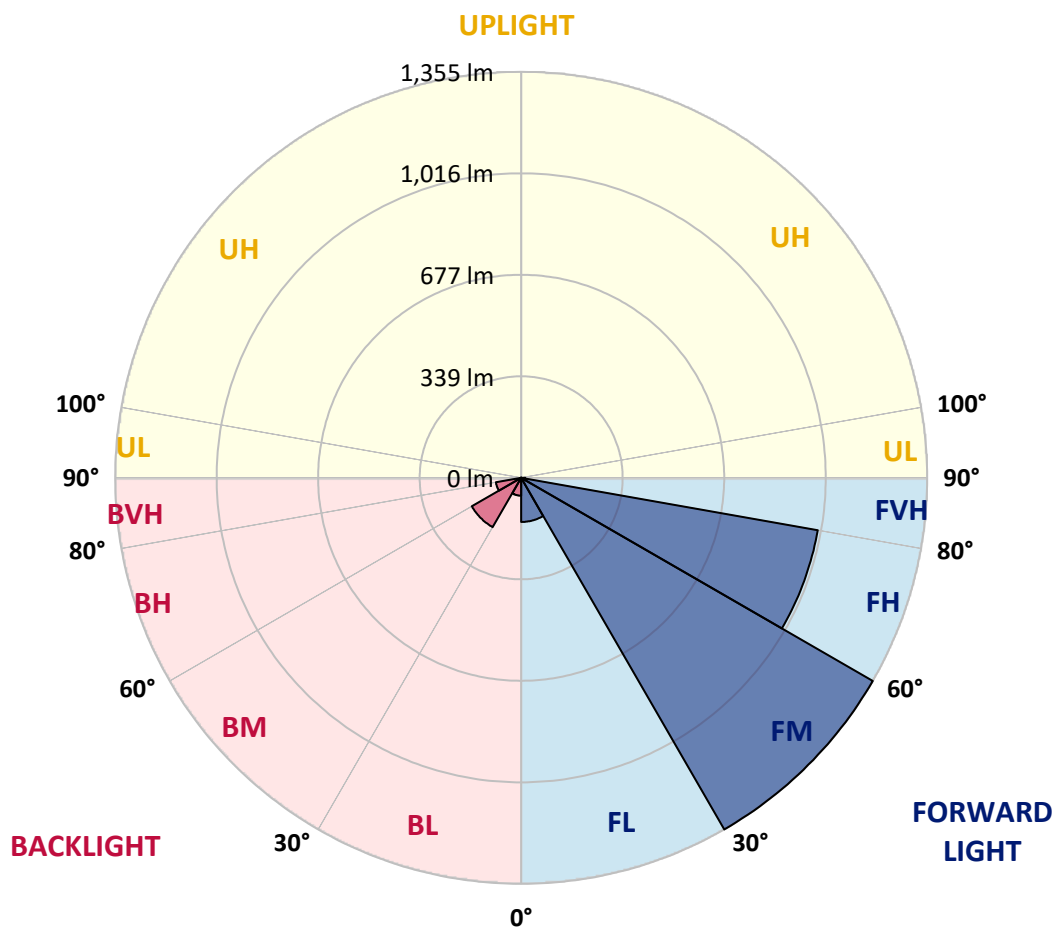
CATALOG NUMBER: ARCH1-30-722-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.3	5.2			
FM	(30°-60°)	1354.6	47.4			
FH	(60°-80°)	1004.9	35.2			G1/1800
FVH	(80°-90°)	13.1	0.5			G1/100
BL	(0°-30°)	59.7	2.1	B0/110		
BM	(30°-60°)	190.1	6.7	B0/220		
BH	(60°-80°)	85.7	3.0	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 III Short



REPORT NUMBER: P1209942

CATALOG NUMBER: ARCH1-30-722-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8
2.5°	265.4	265.9	264.9	262.8	260.8	258.2	254.0	247.3	246.2	241.6	236.4
5°	283.6	284.6	283.1	282.5	281.5	277.9	272.2	262.3	261.3	251.9	240.0
7.5°	289.8	291.3	290.3	290.3	290.3	288.8	286.2	277.3	275.8	263.9	245.7
10°	294.5	295.5	295.0	297.0	298.6	297.6	296.0	290.8	289.3	277.3	253.5
12.5°	301.7	302.2	302.8	303.8	306.4	307.4	306.9	302.2	301.2	292.9	263.4
15°	308.5	308.5	309.0	313.6	317.3	319.3	319.9	316.2	315.2	308.5	275.8
17.5°	314.7	315.2	316.7	321.9	328.2	332.3	334.9	333.3	331.8	326.6	290.3
20°	324.0	325.0	326.6	333.9	340.1	346.8	352.0	351.5	351.0	347.3	307.4
22.5°	340.1	341.1	343.7	350.4	356.7	365.0	373.8	373.3	371.7	369.1	327.6
25°	364.4	364.4	366.0	371.7	379.5	389.3	397.6	399.2	397.6	396.1	353.0
27.5°	395.0	395.5	395.5	401.8	409.0	421.5	431.8	433.4	433.4	431.8	387.3
30°	437.5	436.0	434.9	440.1	447.9	466.0	484.2	487.3	485.7	488.3	435.5
32.5°	510.6	508.0	499.2	500.3	504.9	529.8	560.4	571.3	570.8	575.4	513.2
35°	611.7	606.5	593.6	582.7	582.2	609.1	655.8	696.7	696.2	712.3	631.4
37.5°	725.8	732.5	708.1	689.5	683.8	705.0	765.2	853.8	858.5	886.5	786.4
40°	878.2	882.3	851.2	824.8	797.8	805.6	884.9	1022.8	1031.1	1062.2	941.4
42.5°	1010.9	1015.0	996.9	964.8	930.5	916.0	1005.7	1176.3	1183.0	1226.0	1101.1
45°	1101.1	1104.2	1110.4	1113.5	1074.7	1044.6	1153.5	1333.9	1342.2	1391.9	1257.1
47.5°	1171.6	1174.2	1186.6	1217.7	1210.0	1186.1	1303.8	1497.7	1499.8	1555.2	1409.0
50°	1204.3	1210.5	1241.1	1288.8	1323.0	1329.7	1467.1	1652.7	1658.4	1711.3	1552.6
52.5°	1168.0	1170.0	1247.3	1337.0	1405.9	1474.4	1630.9	1796.3	1812.9	1852.3	1681.7
55°	1045.6	1060.7	1177.8	1335.4	1471.2	1611.7	1806.1	1951.3	1966.3	1991.2	1795.2
57.5°	903.6	920.2	1062.7	1268.5	1499.2	1738.7	1968.4	2116.1	2126.5	2133.2	1899.4
60°	780.7	796.3	943.0	1140.5	1471.2	1828.4	2119.3	2280.0	2288.8	2270.6	1951.8
62.5°	629.9	645.4	793.2	971.0	1361.3	1846.6	2231.2	2425.6	2429.3	2380.0	1919.7
65°	474.9	485.2	608.6	761.0	1169.0	1750.1	2256.6	2516.4	2512.7	2411.6	1823.2
66°	425.6	434.4	543.3	672.9	1069.0	1662.0	2222.4	2523.6	2520.0	2388.3	1760.0
67.5°	367.0	369.6	459.3	550.5	894.3	1474.9	2118.2	2490.4	2493.5	2324.0	1644.4
70°	286.7	286.2	338.0	383.1	610.7	1049.3	1766.7	2281.5	2296.5	2081.4	1402.3
72.5°	183.5	177.3	207.4	234.3	355.6	609.1	1288.2	1859.5	1884.9	1635.1	1044.6
75°	109.4	103.2	110.4	117.2	170.6	292.9	757.4	1265.4	1289.8	1048.2	621.6
77.5°	81.9	79.3	79.8	74.1	75.7	109.9	345.8	668.7	686.4	429.2	235.9
80°	62.7	56.0	52.4	55.0	49.8	43.5	128.6	230.2	241.1	101.6	49.2
82.5°	42.0	36.3	33.7	36.8	31.6	24.4	31.1	44.6	43.5	27.5	19.2
85°	21.8	18.7	18.7	18.7	16.1	11.9	13.5	18.1	18.1	14.5	11.4
87.5°	6.2	5.7	6.7	6.2	4.7	4.7	5.2	6.2	6.2	5.7	5.2
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: P1209942

CATALOG NUMBER: ARCH1-30-722-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8
2.5°	232.2	230.2	224.5	220.3	216.2	212.5	208.4	207.4	205.3	205.8	204.8
5°	233.8	228.1	218.2	208.9	201.7	195.4	187.7	184.6	180.4	178.9	177.8
7.5°	235.9	227.6	213.1	200.1	187.7	175.2	162.8	155.5	150.9	148.8	147.2
10°	240.5	229.7	210.5	190.3	169.0	151.4	138.9	133.7	130.6	130.1	129.6
12.5°	246.8	232.8	207.9	177.8	149.8	133.2	125.5	123.9	123.4	123.4	122.9
15°	256.1	237.9	203.7	163.3	134.8	123.4	119.8	117.2	116.1	116.1	116.1
17.5°	265.4	244.2	197.5	148.3	124.4	117.2	113.5	112.0	110.9	111.5	110.9
20°	277.3	251.4	189.2	135.3	117.7	112.0	108.3	106.8	106.3	106.3	106.3
22.5°	290.8	259.7	178.9	125.5	112.0	106.8	103.2	101.6	100.6	101.1	101.1
25°	309.0	270.1	168.0	115.6	106.3	101.6	97.5	95.4	95.4	95.9	96.4
27.5°	332.3	282.5	157.1	109.4	101.1	96.4	91.8	89.7	90.2	91.2	91.2
30°	366.5	299.6	146.2	102.6	95.4	90.2	86.1	84.0	85.0	87.1	87.1
32.5°	415.2	327.6	136.9	94.9	87.1	81.4	77.2	75.7	78.3	82.4	82.4
35°	502.3	379.0	131.2	87.1	78.3	71.5	66.4	64.8	68.4	73.6	73.6
37.5°	619.0	461.4	133.2	80.4	71.0	63.2	57.5	55.5	58.1	62.7	64.3
40°	749.1	560.9	151.4	74.7	64.3	56.5	50.8	48.7	50.3	52.4	52.9
42.5°	879.2	666.7	185.6	70.5	59.1	50.8	45.6	44.1	45.1	45.6	46.1
45°	1008.8	771.4	228.6	67.9	54.4	46.1	41.0	41.0	41.5	41.5	41.5
47.5°	1131.7	873.5	273.7	67.4	50.3	41.5	37.3	37.8	37.8	38.4	38.4
50°	1247.8	964.8	319.3	68.9	46.7	37.3	34.2	34.2	34.2	34.7	34.2
52.5°	1344.7	1044.6	367.0	71.5	43.0	34.2	31.1	31.1	31.1	31.6	31.1
55°	1436.5	1117.2	415.8	75.2	39.9	31.6	28.5	27.5	27.5	28.0	27.5
57.5°	1511.2	1165.4	461.9	75.7	37.3	29.0	26.4	24.9	24.9	24.9	24.9
60°	1514.3	1137.4	475.4	66.4	34.2	26.4	23.8	21.8	22.3	22.3	22.3
62.5°	1415.3	990.2	382.1	49.8	30.6	23.8	21.8	19.7	19.7	19.7	19.7
65°	1220.9	770.4	224.0	39.4	26.4	21.3	19.2	17.6	17.6	17.6	17.1
66°	1129.6	675.5	171.6	35.8	24.9	20.7	18.7	17.1	16.6	16.1	16.1
67.5°	980.8	534.0	107.3	31.6	22.8	19.2	17.1	15.6	15.0	14.5	14.5
70°	738.7	339.0	52.4	24.4	19.7	16.6	15.0	13.5	13.0	12.4	11.9
72.5°	518.4	198.6	27.5	18.7	16.1	14.5	13.0	11.4	10.9	10.4	10.4
75°	292.9	95.9	18.1	13.5	13.0	11.9	10.9	9.3	8.8	8.8	8.8
77.5°	110.9	33.2	12.4	9.8	10.4	9.3	7.8	7.8	7.3	7.8	7.3
80°	29.0	14.5	7.8	7.3	7.8	6.7	5.7	6.2	6.2	6.2	6.2
82.5°	15.6	8.3	4.7	5.2	4.7	4.7	3.6	4.1	4.7	4.1	4.7
85°	10.9	4.1	2.6	2.6	2.1	2.1	1.6	2.1	2.6	2.1	2.1
87.5°	5.7	1.6	1.6	1.6	1.6	1.0	0.5	0.0	0.5	0.5	0.5
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)