

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: P1209908

Luminaire Tested: **ARCH1-20-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-20-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 700mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

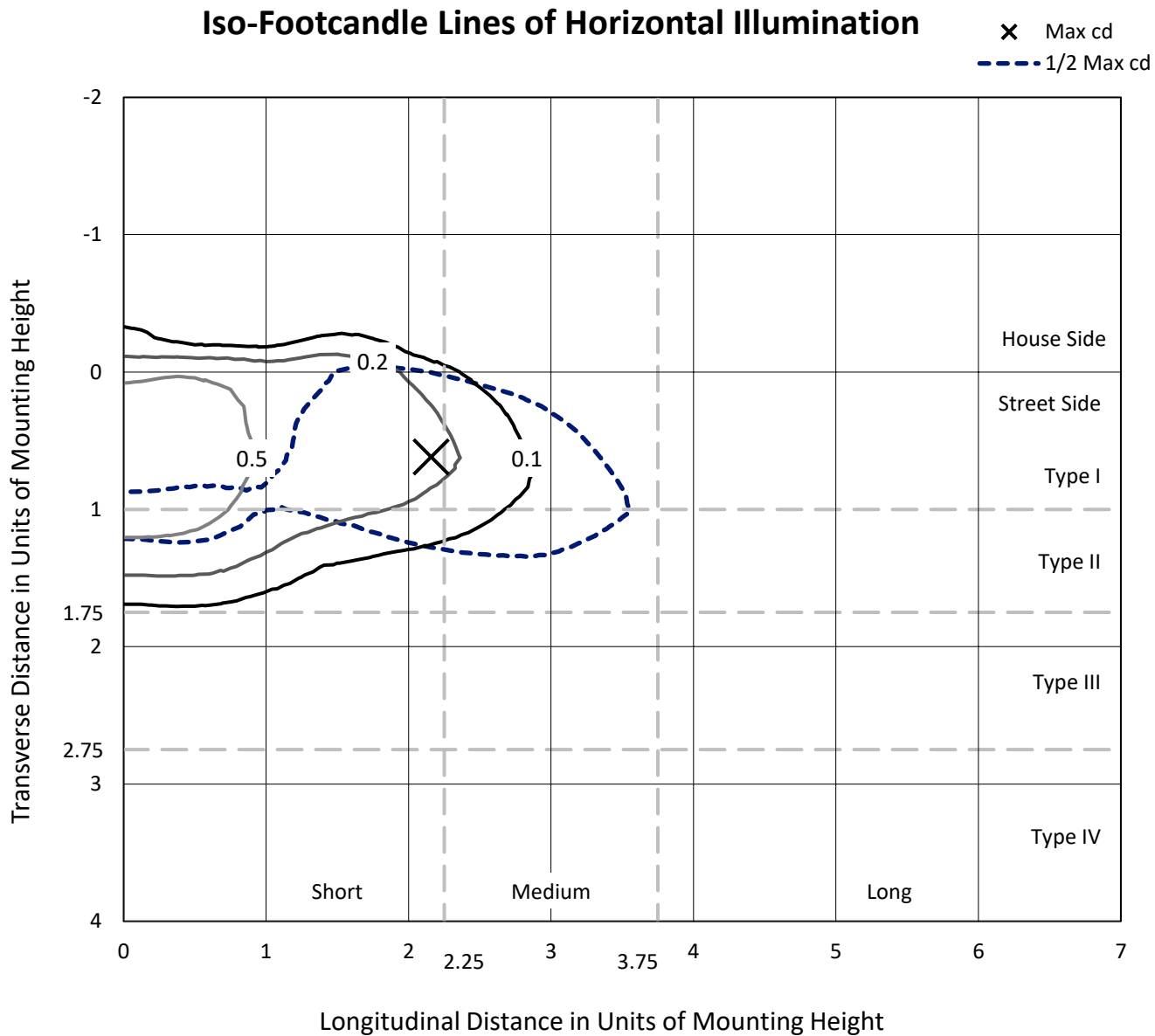
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2210 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 23.5
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

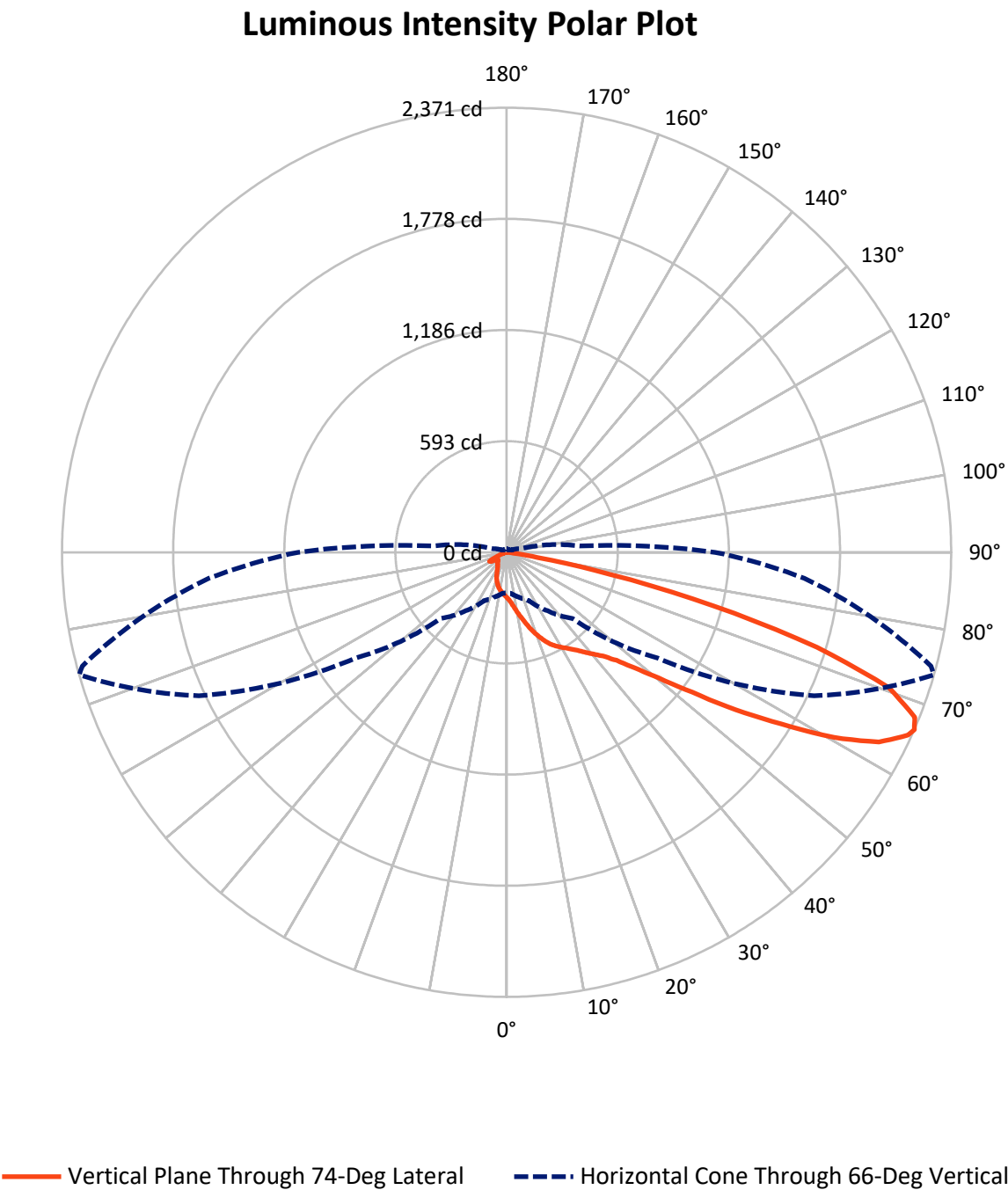


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Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type II - Short - N/A

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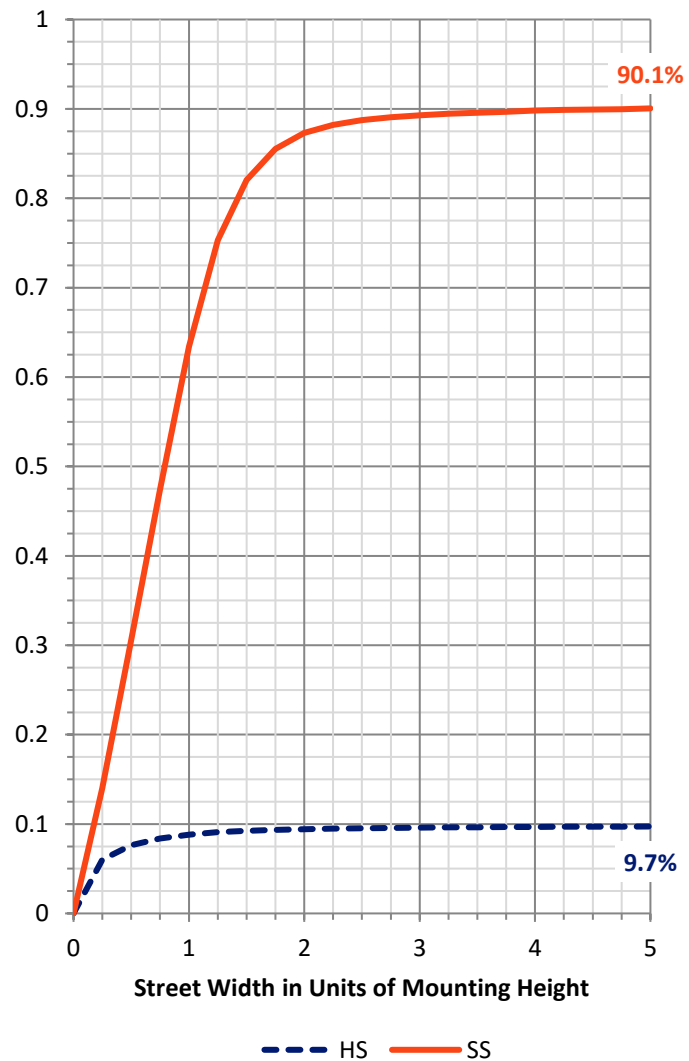
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	216.7	0.0	216.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	1993.4	0.0	1993.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	2210.0	0.0	2210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	1.1
10°-20°	75.5	3.4
20°-30°	144.1	6.5
30°-40°	252.5	11.4
40°-50°	433.0	19.6
50°-60°	563.1	25.5
60°-70°	509.8	23.1
70°-80°	196.7	8.9
80°-90°	11.8	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°	2210.0	100.0
0°-180°	2210.0	100.0

Coefficient of Utilization



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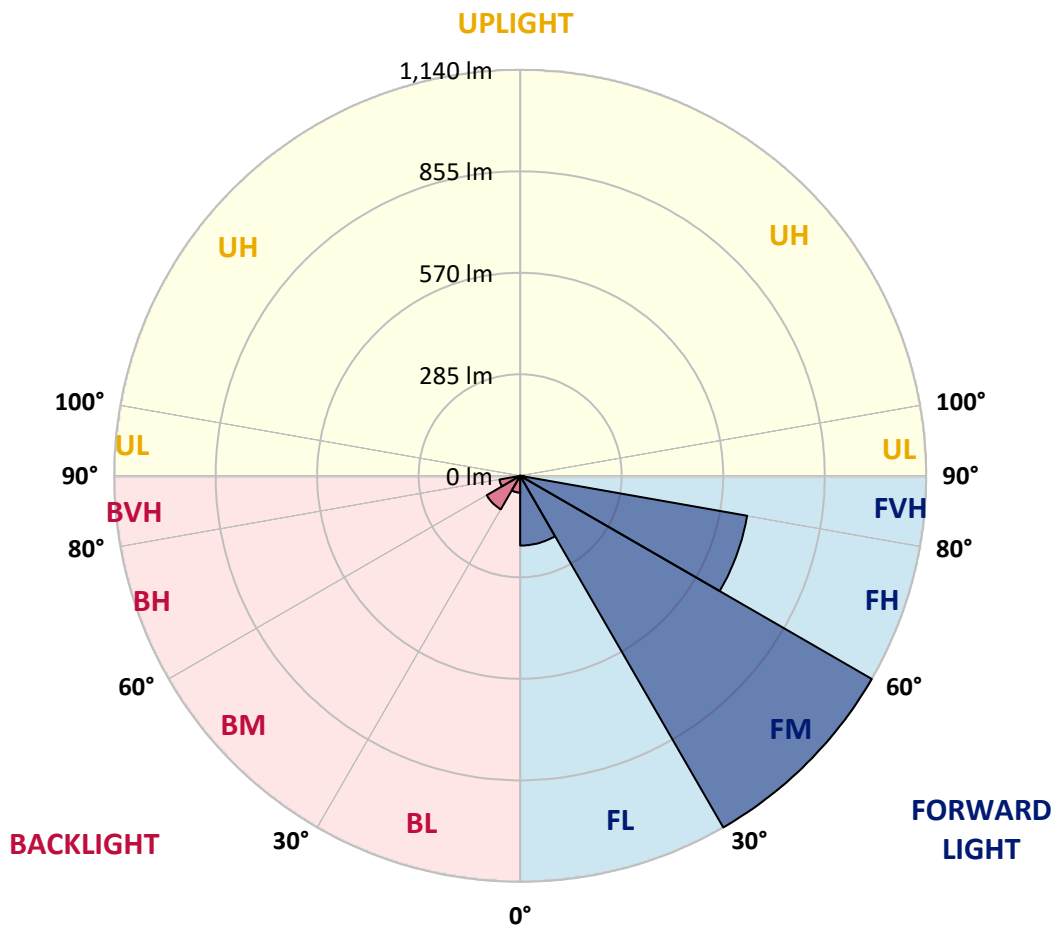
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.8	8.9			
FM	(30°-60°)	1140.0	51.6			
FH	(60°-80°)	647.2	29.3			G0/660
FVH	(80°-90°)	10.3	0.5			G1/100
BL	(0°-30°)	47.3	2.1	B0/110		
BM	(30°-60°)	108.6	4.9	B0/220		
BH	(60°-80°)	59.2	2.7	B0/110		G0/110
BVH	(80°-90°)	1.6	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2
2.5°	289.6	287.3	282.9	282.5	278.9	274.6	267.0	259.1	253.5	252.7	246.0
5°	346.8	345.6	341.2	338.5	331.7	321.4	303.9	286.5	271.8	270.2	255.1
7.5°	361.9	362.7	363.4	366.2	363.8	359.1	346.0	321.4	298.4	294.8	268.6
10°	364.2	363.4	363.4	367.0	373.8	380.5	378.9	357.9	328.1	323.8	287.3
12.5°	390.0	391.2	388.4	386.9	385.7	389.2	401.1	392.0	359.5	355.9	309.9
15°	423.4	423.0	419.0	419.0	415.4	409.5	417.0	423.8	397.2	392.8	335.7
17.5°	447.6	449.2	448.8	451.1	449.9	442.0	438.0	451.9	436.1	430.5	365.0
20°	467.0	471.4	473.0	480.5	484.1	478.5	468.2	476.9	473.4	468.2	394.8
22.5°	487.6	491.2	494.0	507.1	517.0	515.8	502.7	500.7	509.5	504.7	424.2
25°	508.3	509.9	518.2	534.1	549.9	553.9	540.4	524.9	542.0	537.6	450.3
27.5°	530.9	531.7	541.6	561.0	583.3	591.6	580.9	552.3	567.0	567.0	474.1
30°	572.2	580.1	584.1	601.5	621.0	632.5	619.8	581.3	589.2	592.8	499.1
32.5°	661.0	662.2	661.0	668.6	672.5	679.3	664.6	613.8	611.8	615.8	523.7
35°	796.7	792.0	779.3	768.2	745.1	732.5	713.4	655.5	639.6	645.2	547.9
37.5°	961.4	954.6	925.7	891.6	842.4	791.6	767.8	706.3	674.9	682.1	574.1
40°	1118.5	1114.2	1079.6	1037.6	953.5	866.6	816.2	749.1	714.2	717.0	600.7
42.5°	1247.9	1247.1	1218.1	1174.1	1066.1	947.5	873.3	791.2	755.5	759.8	628.5
45°	1345.9	1338.3	1316.9	1285.2	1175.3	1031.6	942.3	855.1	821.7	826.9	670.2
47.5°	1345.9	1347.1	1360.9	1357.8	1251.4	1110.6	1017.7	935.6	919.7	924.5	738.8
50°	1236.4	1247.5	1309.4	1361.3	1291.1	1172.1	1099.1	1036.4	1052.7	1059.8	858.6
52.5°	1019.7	1038.4	1145.9	1264.5	1261.8	1203.0	1183.2	1164.5	1237.5	1250.2	1035.6
55°	774.9	787.2	927.3	1083.2	1134.0	1177.6	1256.6	1327.2	1482.4	1479.6	1215.3
57.5°	578.9	590.4	711.0	884.0	951.1	1067.7	1294.3	1513.3	1725.2	1735.9	1384.0
60°	425.7	434.5	537.2	679.3	776.1	899.5	1279.2	1696.6	2004.9	1992.6	1532.8
62.5°	315.0	319.8	394.0	486.4	615.0	732.8	1184.4	1822.0	2228.3	2203.3	1615.7
65°	243.6	245.2	283.7	332.9	447.2	569.8	1043.1	1841.0	2351.7	2325.1	1614.1
66°	217.0	218.2	246.4	284.5	380.5	498.7	981.2	1810.5	2371.1	2343.0	1594.3
67.5°	182.1	181.3	198.0	223.0	285.7	384.9	871.3	1721.2	2348.1	2333.8	1530.8
70°	134.9	135.3	143.6	149.6	167.0	213.1	629.3	1493.1	2164.0	2163.2	1356.6
72.5°	100.0	101.2	107.5	108.7	104.4	115.5	362.7	1187.6	1731.1	1731.5	1014.2
75°	75.0	77.0	79.0	79.8	75.8	73.0	163.9	799.1	1138.8	1130.4	574.1
77.5°	57.1	57.9	59.5	58.3	57.5	50.4	68.2	389.6	562.2	512.2	186.1
80°	41.7	41.7	43.2	41.7	41.3	36.1	37.3	125.0	165.1	137.3	40.1
82.5°	26.2	25.8	27.0	26.6	25.8	23.0	21.8	34.9	38.1	34.1	19.4
85°	14.7	14.3	13.9	13.5	12.3	10.3	11.9	13.1	17.5	17.9	13.9
87.5°	5.2	5.2	4.8	4.4	3.6	3.6	4.4	4.4	6.3	6.3	7.1
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°	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2
2.5°	242.8	238.5	232.1	223.8	217.8	211.9	205.5	202.0	196.8	195.6	197.2
5°	247.2	239.3	223.4	205.9	190.8	177.4	164.7	157.1	149.6	146.8	148.0
7.5°	256.3	242.8	215.8	187.7	162.7	142.4	127.4	118.6	111.9	109.1	109.9
10°	269.8	249.2	208.7	167.0	134.9	113.5	100.8	95.2	91.3	89.7	90.1
12.5°	286.1	258.3	199.6	146.4	111.1	92.4	86.5	85.3	84.5	83.7	84.1
15°	304.3	266.2	188.9	126.2	92.4	82.1	80.1	79.8	79.4	79.4	79.4
17.5°	323.4	273.4	177.0	107.1	80.5	75.8	74.6	74.6	74.6	75.0	75.0
20°	341.2	278.9	163.1	90.1	73.8	69.8	69.0	69.0	69.4	69.8	69.8
22.5°	358.7	281.3	146.8	78.2	68.2	64.7	63.5	63.5	63.5	63.9	63.9
25°	373.8	281.3	130.5	70.6	63.5	59.9	58.3	57.9	58.3	58.3	58.3
27.5°	386.5	280.1	114.7	65.5	58.7	55.2	53.6	53.2	54.0	54.4	54.4
30°	400.0	278.5	102.0	60.7	54.8	51.2	49.6	49.6	50.8	52.4	52.4
32.5°	413.0	279.7	92.1	56.7	50.8	48.0	46.4	46.8	49.2	51.6	51.6
35°	426.9	282.1	86.1	54.0	48.0	45.2	44.0	45.2	47.6	50.0	50.0
37.5°	440.8	284.9	82.5	51.6	45.6	42.9	42.1	43.6	46.4	48.8	49.2
40°	455.5	287.3	78.6	49.2	44.0	40.9	40.5	42.1	45.6	48.0	48.4
42.5°	473.8	292.0	73.8	47.2	42.5	38.5	38.9	40.1	43.6	47.2	47.6
45°	509.5	307.1	69.0	45.2	40.5	37.3	36.5	37.3	41.3	45.2	46.0
47.5°	576.5	341.2	63.9	43.2	38.5	36.5	33.3	34.1	37.7	42.1	42.5
50°	705.1	413.8	61.1	41.3	36.9	33.7	30.2	30.2	32.9	36.9	36.9
52.5°	905.4	544.0	62.7	39.7	34.9	30.9	27.4	27.0	28.6	31.3	31.3
55°	1121.7	686.8	68.6	38.1	32.5	29.4	25.4	23.4	24.6	26.2	26.2
57.5°	1293.1	758.6	84.9	37.3	29.8	28.2	23.0	20.2	21.4	23.0	23.0
60°	1368.5	716.6	103.2	38.1	27.8	26.2	20.6	17.9	19.8	21.4	21.8
62.5°	1307.4	590.0	110.7	36.1	25.0	23.4	20.2	16.7	19.0	20.2	20.6
65°	1175.3	448.4	86.5	31.3	23.0	20.2	18.3	15.9	17.9	19.0	19.0
66°	1112.6	390.8	73.8	29.0	22.2	19.0	17.5	15.9	17.5	18.3	18.6
67.5°	1015.4	308.3	54.8	25.4	20.6	17.5	16.3	15.1	16.7	17.5	17.5
70°	794.0	183.7	32.9	19.8	17.9	15.5	14.7	13.9	15.1	15.5	15.5
72.5°	497.2	87.3	21.0	14.7	15.1	14.7	12.3	13.1	13.5	13.9	13.9
75°	240.8	34.5	14.3	10.7	12.3	13.9	9.9	11.5	11.9	12.7	12.3
77.5°	67.1	16.7	9.1	7.9	10.7	10.7	7.5	9.1	10.7	13.5	12.3
80°	19.4	10.7	6.0	6.0	7.5	7.5	5.2	6.3	7.1	7.9	8.3
82.5°	13.5	7.1	4.0	4.4	4.4	4.8	3.2	3.2	4.0	4.0	4.4
85°	10.7	3.2	2.4	2.8	2.0	2.4	1.6	1.6	2.0	1.6	1.6
87.5°	4.4	1.6	1.6	1.6	1.2	1.2	0.8	0.4	0.4	0.4	0.4
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)