

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: P798580

Luminaire Tested: **ARCH1-20-722-U-T2U-HSS**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P798580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-25)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-20-722-U-T2U-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 700mA LIGHTSQUARE WITH 10 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

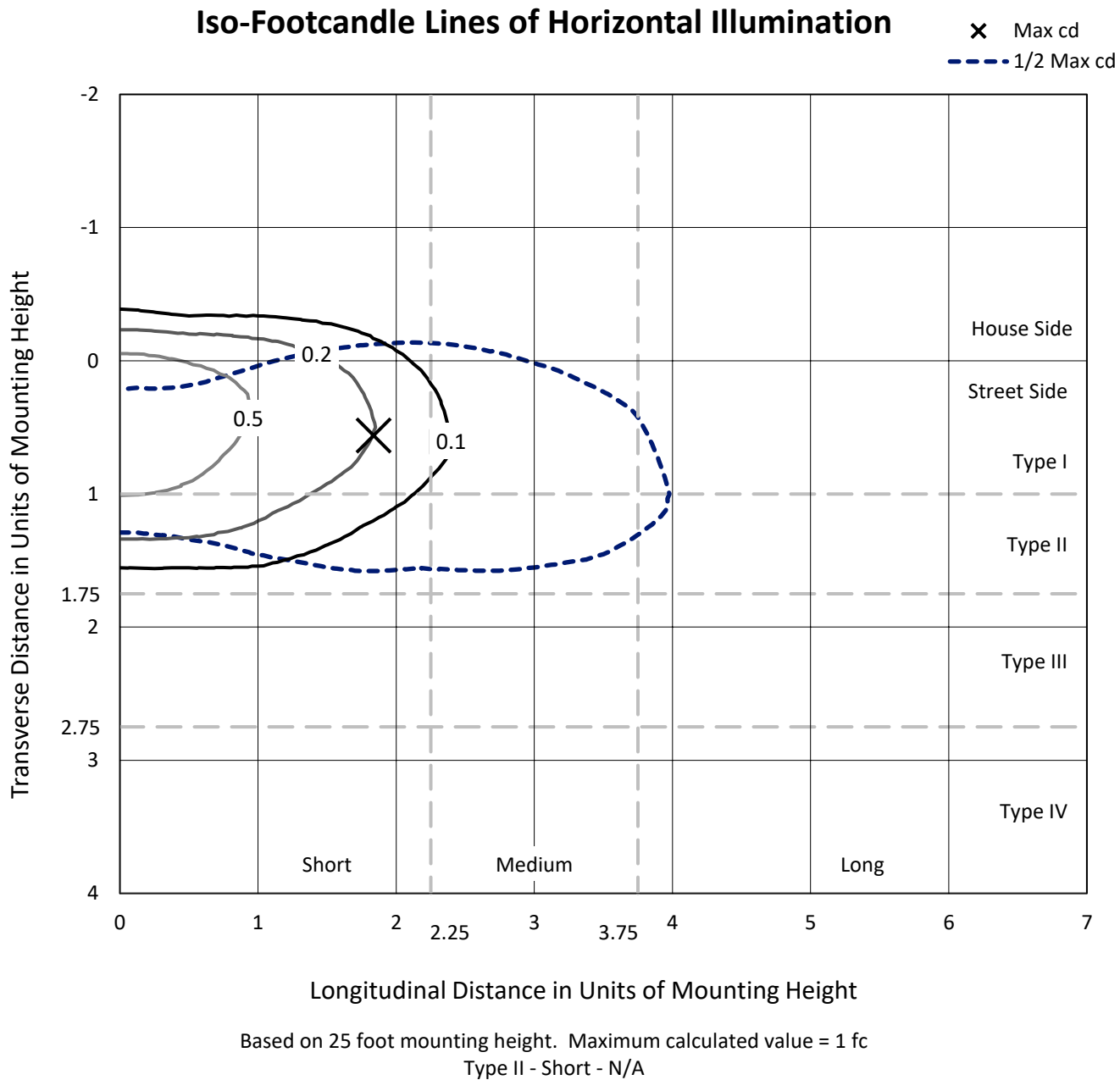
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2024 lumens
Efficiency: N/A
Efficacy: 86.1 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

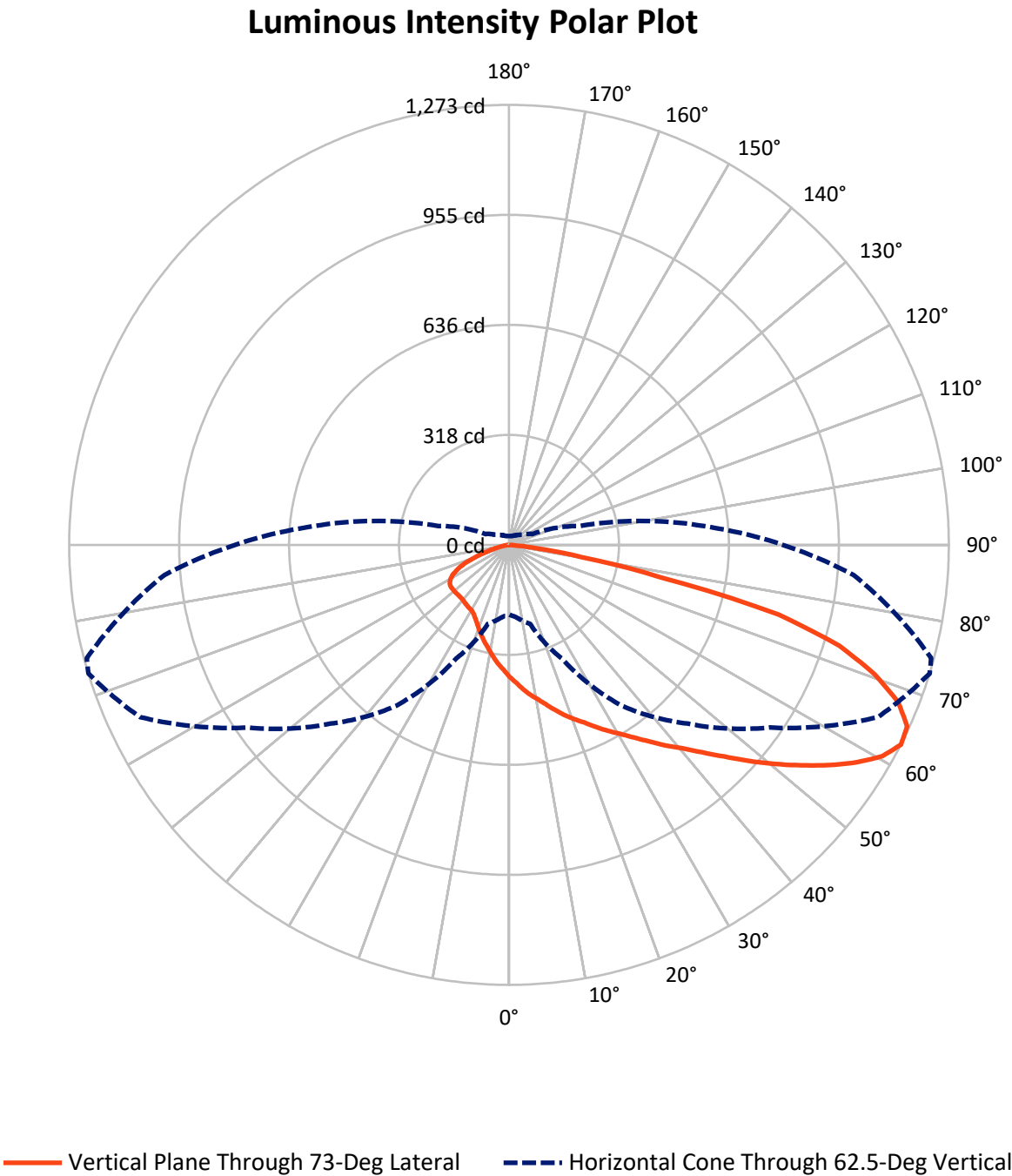
Input Watts (W): 23.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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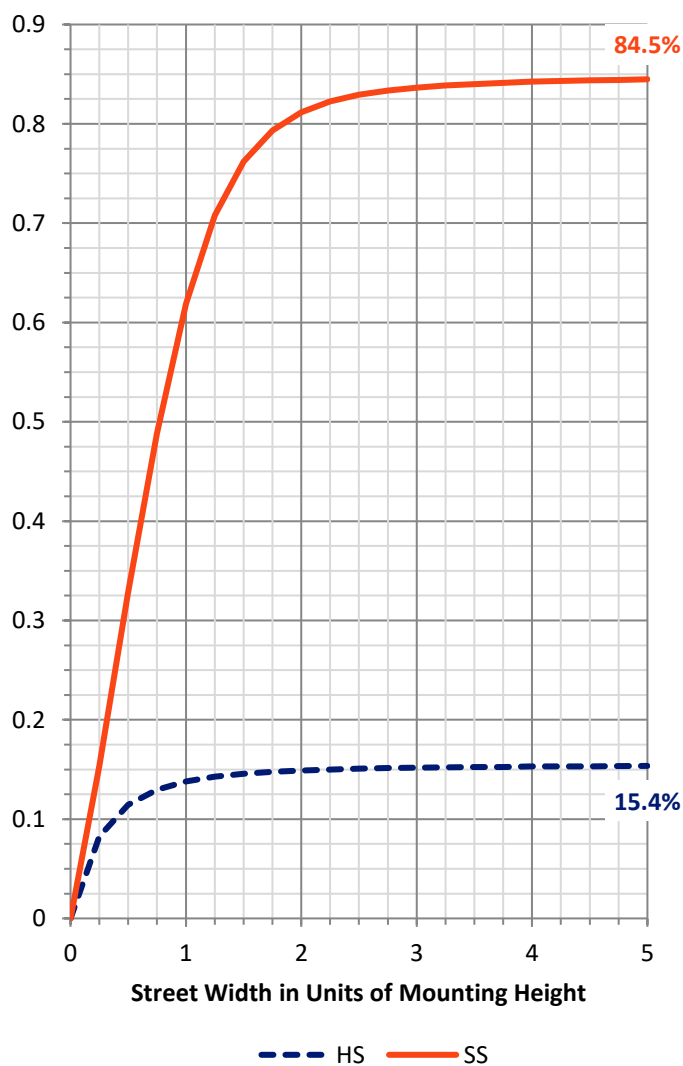
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	313.8	0.0	313.8
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	1710.2	0.0	1710.2
	% Fixture	84.5	0.0	84.5
Total	Lumens	2024.0	0.0	2024.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	1.8
10°-20°	111.7	5.5
20°-30°	186.0	9.2
30°-40°	280.6	13.9
40°-50°	392.2	19.4
50°-60°	433.2	21.4
60°-70°	377.4	18.6
70°-80°	190.6	9.4
80°-90°	15.3	0.8
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°	2024.0	100.0
0°-180°	2024.0	100.0

Coefficient of Utilization



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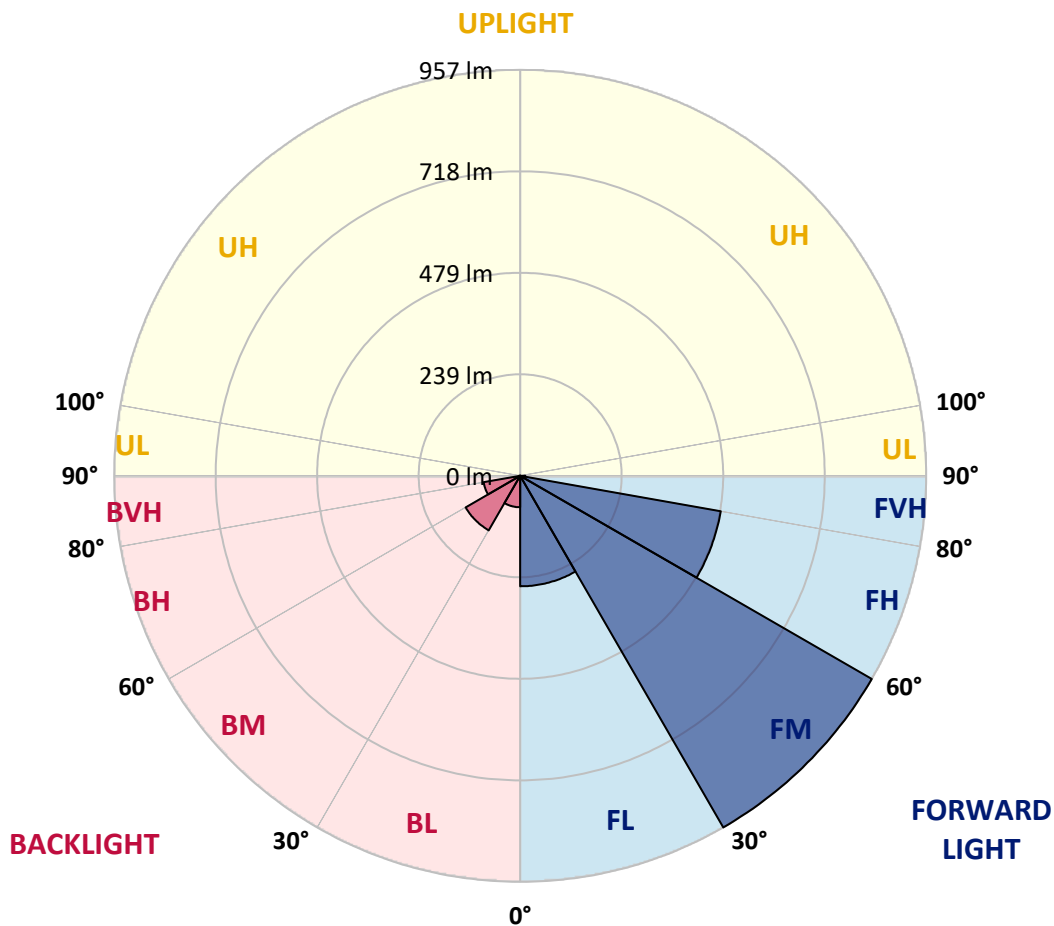
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.5	12.9			
FM	(30°-60°)	957.4	47.3			
FH	(60°-80°)	480.4	23.7			G0/660
FVH	(80°-90°)	11.8	0.6			G1/100
BL	(0°-30°)	74.2	3.7	B0/110		
BM	(30°-60°)	148.6	7.3	B0/220		
BH	(60°-80°)	87.6	4.3	B0/110		G0/110
BVH	(80°-90°)	3.5	0.2			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°	73°	75°	85°
0°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2
2.5°	436.2	441.0	438.4	440.1	431.3	425.6	419.0	406.2	399.1	398.2	389.9
5°	500.1	505.4	501.0	499.7	484.2	471.0	456.0	433.5	418.5	415.9	397.4
7.5°	564.1	568.9	563.6	559.7	538.9	515.6	493.5	460.4	437.1	432.6	403.5
10°	609.1	613.5	609.5	605.5	583.9	560.1	528.8	485.6	453.8	446.8	407.5
12.5°	643.0	645.7	643.9	640.4	620.1	594.5	564.5	513.8	472.8	464.0	413.7
15°	670.8	675.2	673.0	670.4	650.9	625.4	596.7	543.3	494.8	483.8	422.9
17.5°	689.3	692.4	692.8	692.8	675.6	650.5	622.7	570.2	516.9	502.8	431.8
20°	697.7	701.2	703.4	707.0	692.8	671.2	643.0	593.2	537.6	521.7	440.1
22.5°	701.7	704.8	710.5	718.4	707.0	688.9	662.9	614.3	558.3	541.6	449.8
25°	704.8	708.7	717.1	732.1	724.2	708.7	686.2	638.6	583.0	565.8	464.0
27.5°	713.1	718.0	725.9	744.0	734.3	726.8	710.9	664.6	609.1	591.4	481.2
30°	742.2	746.2	745.8	757.2	745.3	743.1	732.1	689.8	634.2	616.5	501.4
32.5°	795.2	799.1	789.4	785.0	759.0	759.4	755.0	716.7	664.2	646.1	524.8
35°	852.1	856.5	843.7	836.2	792.5	779.7	781.9	750.2	697.7	679.6	553.9
37.5°	902.8	908.1	897.0	886.0	841.9	812.4	811.9	787.7	736.1	717.5	586.1
40°	930.6	936.7	943.3	937.2	890.9	858.2	844.1	826.0	774.0	755.0	621.0
42.5°	943.8	961.0	972.9	968.9	931.0	897.9	881.2	866.2	820.3	801.8	662.4
45°	906.7	907.2	932.3	953.9	946.9	924.8	921.7	911.2	873.2	855.6	709.2
47.5°	860.4	856.9	874.5	912.9	932.8	938.5	956.6	961.0	933.6	916.0	756.8
50°	749.3	751.5	808.8	864.0	902.8	939.8	981.3	1012.1	995.8	979.1	807.1
52.5°	609.5	614.8	680.5	801.8	863.1	926.6	995.8	1063.3	1059.3	1043.5	857.3
55°	488.7	497.0	566.7	698.1	812.4	897.0	1002.0	1110.1	1125.0	1110.5	906.7
57.5°	373.5	382.4	441.0	576.0	747.5	849.0	997.6	1151.1	1186.4	1177.1	952.2
60°	281.4	290.2	327.7	467.0	666.4	795.2	975.5	1178.0	1241.5	1231.8	985.2
62.5°	201.5	208.6	236.4	363.4	567.6	731.2	921.3	1178.4	1272.8	1264.9	1001.1
65°	145.1	145.1	167.6	259.3	475.0	654.5	839.3	1124.2	1266.2	1264.0	990.1
67.5°	104.5	105.4	123.5	181.3	378.8	561.4	733.0	1027.6	1215.0	1226.0	950.4
70°	74.1	76.3	84.7	126.6	286.2	443.2	619.2	901.0	1122.8	1142.2	873.7
72.5°	57.3	58.7	64.4	88.2	209.0	329.4	493.5	759.9	999.8	1021.8	769.1
75°	44.1	45.4	49.8	64.8	149.9	231.1	350.6	589.6	806.2	845.4	617.9
77.5°	32.2	34.0	37.0	47.2	87.3	146.9	212.6	331.6	445.0	463.5	323.7
80°	15.0	17.2	21.6	30.4	47.2	69.2	75.4	127.9	213.9	223.6	175.5
82.5°	8.4	10.6	12.3	18.5	23.8	24.7	25.6	32.2	80.7	89.1	73.7
85°	4.0	5.3	5.7	7.9	7.9	7.1	8.4	6.2	13.2	15.9	15.4
87.5°	0.0	0.4	0.9	2.2	1.8	1.3	1.3	1.3	1.3	1.8	1.3
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°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2
2.5°	385.9	380.2	366.9	355.5	348.0	341.4	332.5	328.6	321.5	322.8	318.9
5°	388.1	377.5	354.1	332.5	316.7	302.5	287.1	278.3	268.6	267.7	264.6
7.5°	389.4	373.1	339.6	309.2	284.9	263.3	242.6	231.1	219.2	216.5	213.9
10°	388.1	366.5	324.6	284.9	252.7	225.8	202.4	187.9	175.5	172.4	169.8
12.5°	389.4	363.0	310.5	262.4	224.0	193.6	167.1	152.2	140.7	137.6	135.8
15°	392.5	360.8	298.6	242.1	198.5	164.5	138.5	125.7	116.4	113.3	112.5
17.5°	395.2	358.6	285.8	222.3	172.9	138.9	116.4	105.8	97.9	94.8	93.9
20°	398.7	355.5	273.0	203.3	150.4	118.6	98.8	89.5	83.4	81.1	80.7
22.5°	401.8	353.3	261.1	184.3	129.7	102.3	85.6	78.1	73.7	71.4	71.4
25°	409.7	354.1	250.9	166.7	114.2	89.5	75.4	69.7	66.2	64.8	64.8
27.5°	419.0	357.7	243.0	151.7	101.0	79.8	68.4	63.5	61.7	60.0	60.4
30°	432.2	364.7	237.7	139.4	91.3	72.3	62.6	59.1	57.3	56.9	56.9
32.5°	449.0	376.2	237.3	131.4	84.2	66.6	58.7	55.6	54.7	54.2	54.2
35°	468.8	386.3	234.6	127.9	79.8	62.6	55.6	53.4	52.9	52.9	52.9
37.5°	492.6	403.1	232.9	123.0	77.6	60.4	53.4	51.6	51.6	51.6	51.6
40°	517.3	416.8	230.2	118.6	76.7	59.1	52.0	49.8	49.8	49.8	49.8
42.5°	546.9	436.6	229.3	116.4	75.4	58.2	50.3	47.6	48.1	48.1	48.5
45°	582.6	459.1	228.9	114.2	75.0	57.3	48.5	45.4	45.9	45.4	45.4
47.5°	618.8	485.1	230.2	112.9	74.5	56.5	47.2	43.2	43.2	42.8	42.8
50°	656.7	508.9	231.1	111.6	73.7	54.7	45.0	41.5	40.6	39.7	40.1
52.5°	692.4	531.0	231.5	109.4	71.0	52.0	43.2	39.3	37.9	36.6	37.0
55°	728.1	552.2	232.4	106.7	67.5	49.4	41.0	37.0	35.3	33.5	33.5
57.5°	760.3	570.7	230.2	100.1	63.5	46.7	38.8	34.4	31.8	30.0	30.0
60°	782.4	583.9	223.6	90.4	58.2	43.7	36.6	31.8	28.7	27.3	27.3
62.5°	793.0	586.1	211.7	74.5	51.6	40.6	34.0	29.1	26.5	25.6	25.6
65°	782.8	576.4	193.2	56.0	44.5	37.0	31.3	26.9	24.3	22.1	22.1
67.5°	747.5	549.1	167.6	42.3	37.9	33.5	28.7	24.7	21.6	19.8	19.8
70°	676.5	492.2	129.7	34.0	32.2	29.1	26.0	22.1	19.4	17.2	17.2
72.5°	583.5	417.2	91.3	27.3	27.3	24.7	22.1	19.4	16.8	15.0	15.0
75°	447.6	308.7	61.3	22.1	22.5	20.7	18.1	15.9	14.1	12.8	12.8
77.5°	244.3	152.6	37.5	16.3	16.8	15.9	14.1	12.8	11.9	10.6	10.6
80°	118.6	67.0	21.6	11.5	11.9	11.5	10.6	9.3	9.3	8.4	8.4
82.5°	49.8	25.1	11.5	7.9	7.9	7.1	6.6	6.6	6.6	6.2	6.2
85°	12.3	4.9	4.9	4.4	4.4	4.4	4.0	4.0	4.0	3.1	3.5
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.3	0.4	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)