

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208544

Luminaire Tested: UPW-SA1-070-730-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WI'
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5804 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

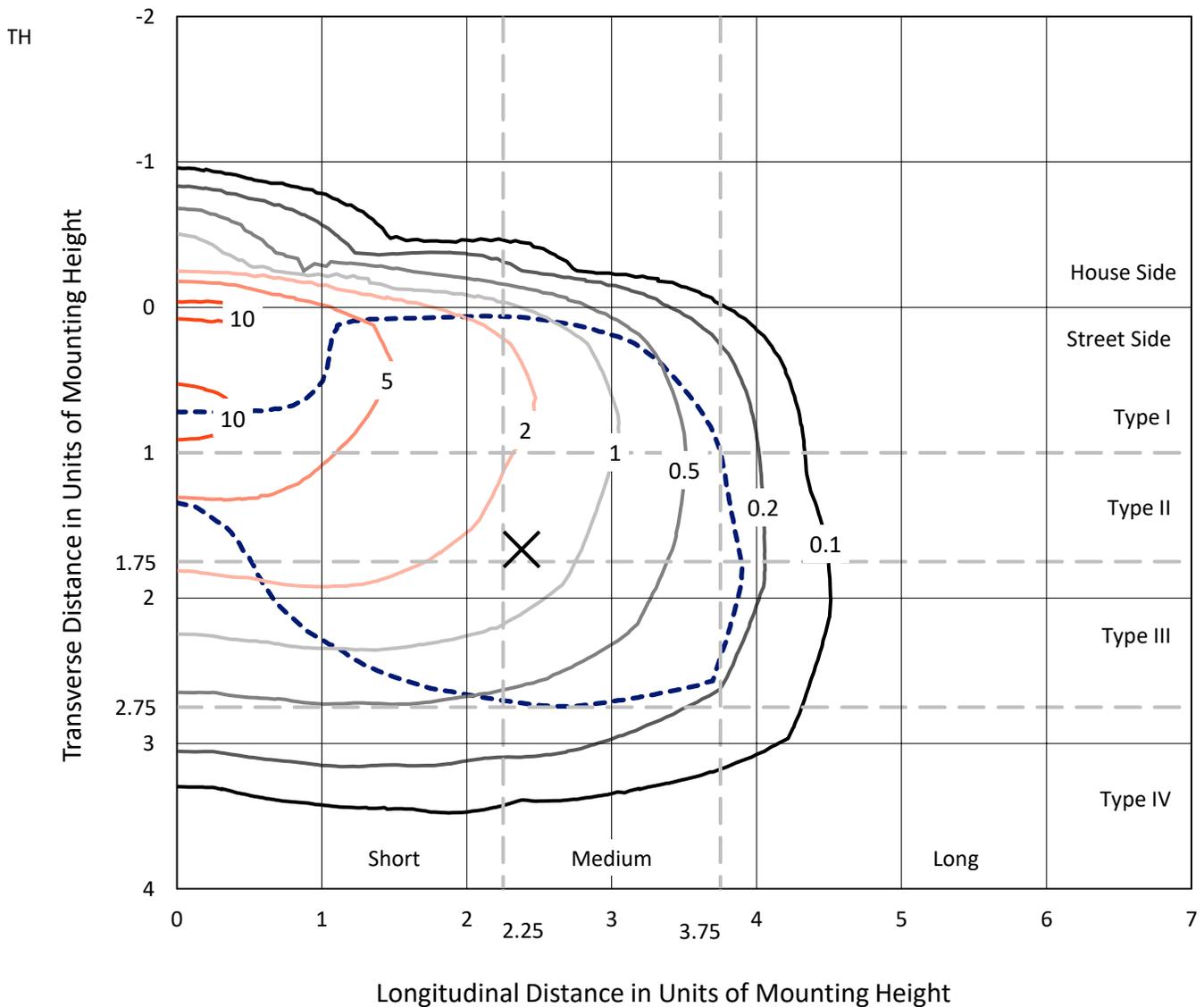
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208544
 CATALOG NUMBER: UPW-SA1-070-730-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

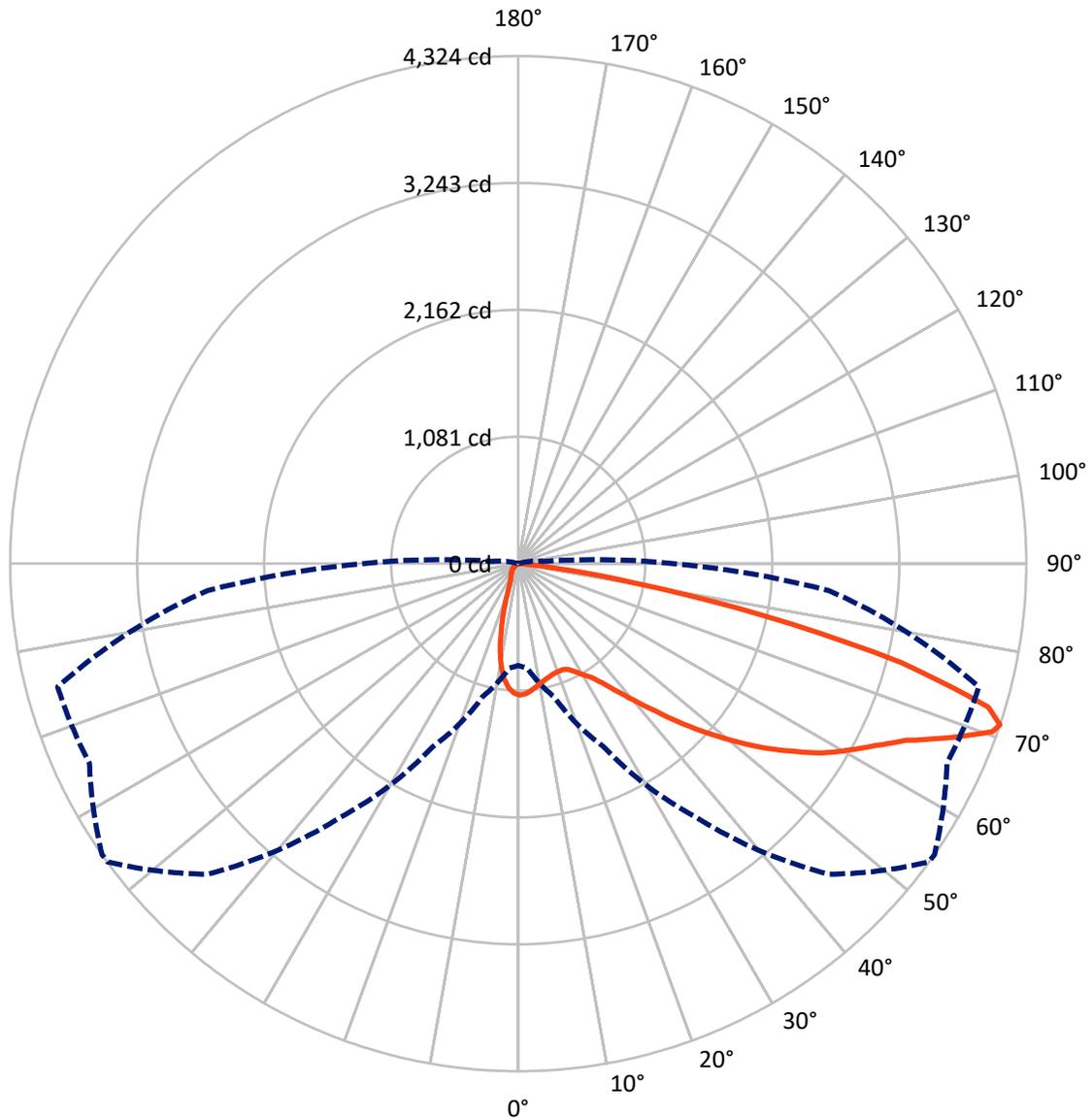


Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P1208544

CATALOG NUMBER: UPW-SA1-070-730-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P1208544

CATALOG NUMBER: UPW-SA1-070-730-U-T3R-HSS

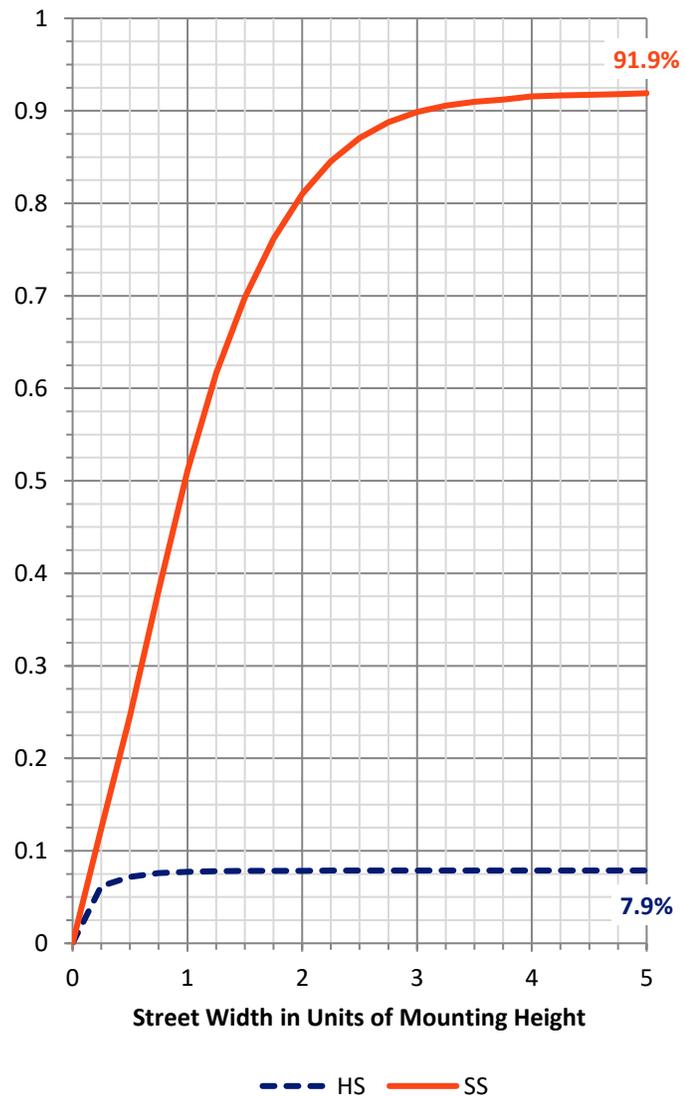
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	459.5	0.0	459.5
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	5344.5	0.0	5344.5
	% Fixture	92.1	0.0	92.1
Total	Lumens	5804.0	0.0	5804.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	1.6
10°-20°	215.5	3.7
20°-30°	346.2	6.0
30°-40°	588.3	10.1
40°-50°	913.1	15.7
50°-60°	1227.6	21.2
60°-70°	1501.8	25.9
70°-80°	878.1	15.1
80°-90°	38.0	0.7
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°	5804.0	100.0
0°-180°	5804.0	100.0



REPORT NUMBER: P1208544

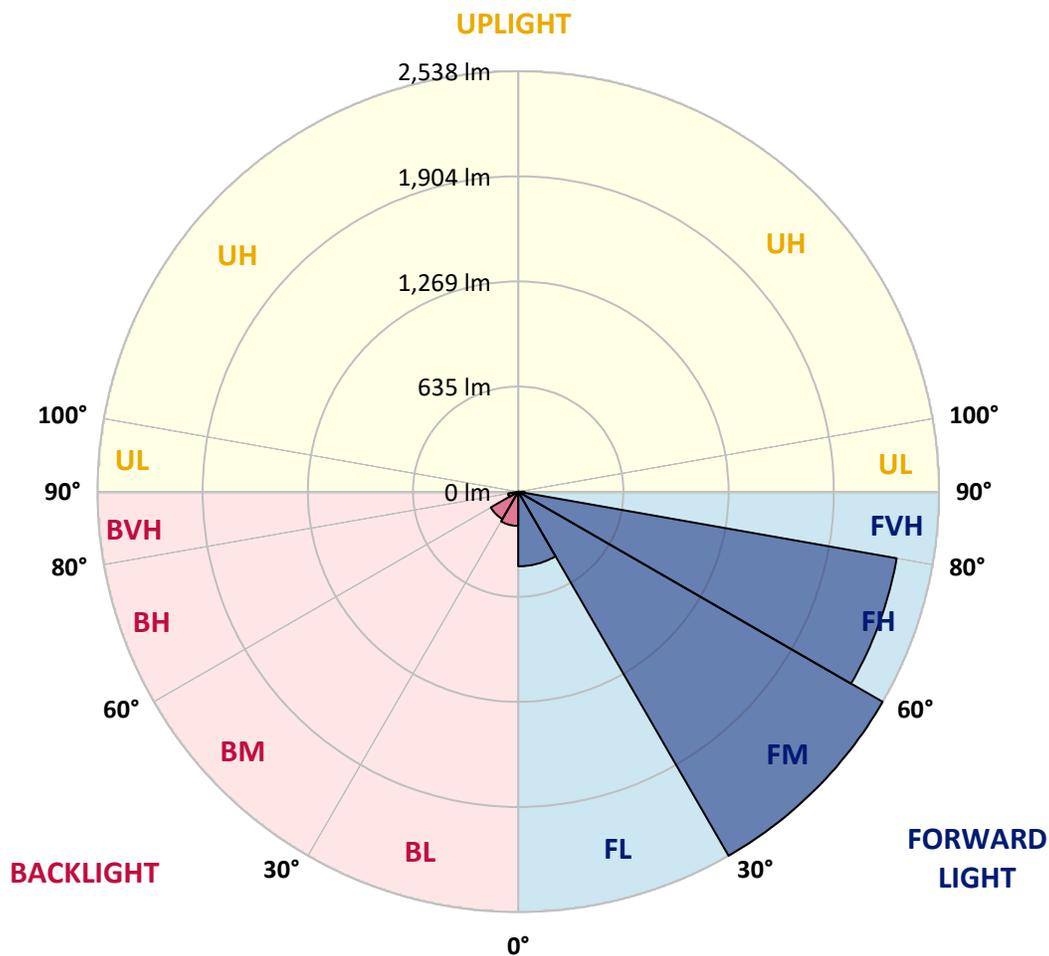
CATALOG NUMBER: UPW-SA1-070-730-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.3	7.8			
FM	(30°-60°)	2538.5	43.7			
FH	(60°-80°)	2318.3	39.9			G2/5000
FVH	(80°-90°)	37.4	0.6			G1/100
BL	(0°-30°)	206.8	3.6	B1/500		
BM	(30°-60°)	190.5	3.3	B0/220		
BH	(60°-80°)	61.6	1.1	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P1208544

CATALOG NUMBER: UPW-SA1-070-730-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3
2.5°	1086.5	1087.8	1092.5	1094.6	1099.5	1107.9	1112.0	1112.3	1119.1	1121.7	1123.8
5°	1009.6	1017.4	1025.2	1033.6	1048.7	1068.8	1088.6	1090.4	1112.3	1128.4	1137.0
7.5°	943.4	950.4	959.8	973.1	994.5	1026.0	1059.1	1063.0	1104.5	1141.2	1160.5
10°	875.4	881.1	894.7	914.2	943.7	985.9	1030.5	1037.0	1097.4	1158.4	1192.3
12.5°	802.7	806.1	822.5	850.6	893.9	947.6	1006.2	1014.8	1093.0	1178.2	1229.8
15°	747.4	749.0	764.6	793.8	843.3	913.2	987.5	997.9	1094.0	1201.9	1270.7
17.5°	733.4	734.1	742.5	762.5	806.3	882.4	972.6	985.4	1097.2	1225.1	1311.9
20°	790.4	785.0	776.4	773.2	792.0	863.9	963.7	978.1	1101.3	1245.7	1348.9
22.5°	947.1	930.9	895.2	847.5	818.6	865.2	966.1	980.4	1114.6	1271.0	1391.7
25°	1179.5	1157.1	1096.4	1002.6	912.4	902.8	985.6	1000.2	1140.4	1301.2	1432.6
27.5°	1444.0	1421.9	1347.6	1213.7	1059.9	977.0	1030.5	1044.0	1178.7	1328.1	1463.8
30°	1697.4	1691.1	1603.5	1451.3	1245.5	1097.4	1088.3	1099.8	1207.1	1344.2	1488.6
32.5°	1912.1	1902.2	1831.8	1683.8	1457.9	1242.1	1156.3	1159.7	1228.5	1365.1	1520.9
35°	2111.2	2099.0	2037.2	1897.2	1675.7	1418.8	1261.1	1256.1	1275.2	1407.0	1567.8
37.5°	2285.0	2296.2	2227.7	2094.5	1871.2	1602.5	1402.3	1387.5	1348.1	1475.3	1635.9
40°	2430.5	2430.5	2394.8	2283.7	2082.3	1792.5	1562.1	1542.6	1457.9	1580.6	1722.1
42.5°	2482.8	2494.0	2507.3	2444.5	2271.2	1990.0	1740.1	1719.8	1612.4	1729.9	1831.0
45°	2486.0	2503.7	2571.7	2571.4	2441.9	2186.3	1940.8	1931.1	1810.5	1921.7	1966.0
47.5°	2441.9	2464.1	2576.1	2639.7	2577.2	2368.9	2160.2	2148.2	2043.2	2156.8	2107.3
50°	2373.9	2398.4	2528.7	2666.6	2669.2	2527.9	2391.4	2373.4	2299.4	2425.5	2253.2
52.5°	2252.2	2299.6	2486.2	2672.8	2729.6	2665.3	2611.3	2603.5	2586.0	2684.3	2369.5
55°	1991.8	2044.5	2379.6	2674.9	2785.7	2787.0	2817.5	2819.5	2854.7	2926.1	2456.0
57.5°	1868.8	1898.5	2193.6	2684.8	2868.8	2925.1	3027.5	3043.7	3098.1	3155.7	2554.8
60°	1791.4	1826.6	2101.8	2671.3	2999.4	3106.2	3222.2	3227.7	3286.0	3392.6	2688.5
62.5°	1729.7	1764.3	2044.0	2619.1	3146.1	3324.1	3412.4	3413.0	3456.7	3674.9	2840.4
65°	1577.2	1606.4	1927.0	2560.5	3243.0	3539.6	3633.4	3630.0	3665.7	3972.5	3016.8
67.5°	1356.7	1379.2	1688.0	2338.2	3206.6	3735.6	3967.0	3955.8	3912.5	4229.7	3086.1
70°	1049.0	1057.0	1330.4	1948.6	2864.6	3810.9	4289.4	4283.7	4064.0	4183.6	2832.1
71°	867.1	893.6	1172.5	1719.8	2635.6	3741.3	4320.7	4324.0	4025.9	4058.0	2657.2
72.5°	503.5	526.2	849.9	1320.8	2237.6	3451.0	4158.6	4183.1	3848.2	3691.0	2269.7
75°	107.9	115.5	315.1	639.3	1230.9	2418.7	3282.4	3369.7	3136.4	2511.0	1367.9
77.5°	75.1	81.0	135.0	290.1	406.8	1195.2	2039.0	2137.5	1873.8	943.7	437.8
80°	59.4	66.2	105.3	143.3	110.0	385.4	955.1	1015.3	624.9	210.6	73.8
82.5°	33.1	39.4	82.1	77.4	42.2	73.2	267.4	302.3	125.1	42.5	17.5
85°	9.6	11.7	52.9	56.3	18.0	14.1	45.6	56.6	23.7	11.2	7.8
87.5°	0.0	0.0	25.5	21.6	5.2	2.1	4.2	4.7	4.7	4.7	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: P1208544

CATALOG NUMBER: UPW-SA1-070-730-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3	1119.3
2.5°	1123.8	1125.6	1119.1	1110.5	1101.3	1090.1	1078.4	1069.3	1069.0	1064.6	1060.2
5°	1137.6	1136.5	1118.5	1091.2	1058.9	1025.2	993.2	957.0	945.0	930.1	925.2
7.5°	1163.1	1155.8	1117.8	1057.8	986.9	916.6	843.9	770.6	739.4	711.2	706.3
10°	1195.2	1181.3	1112.8	1007.8	877.7	748.0	638.2	538.7	494.9	461.3	459.7
12.5°	1228.5	1207.4	1099.0	932.2	734.7	552.2	425.8	327.8	291.4	267.9	270.0
15°	1263.4	1231.9	1069.3	830.3	571.8	374.8	261.7	204.1	189.5	183.5	185.0
17.5°	1299.1	1248.8	1027.8	707.6	411.0	241.8	181.1	165.0	165.0	166.3	166.8
20°	1330.2	1258.0	966.9	570.0	278.6	176.2	158.5	156.1	157.4	159.5	159.8
22.5°	1360.9	1258.5	887.4	430.5	194.9	154.3	150.9	149.9	150.6	153.0	153.2
25°	1385.9	1252.2	787.8	306.2	155.6	145.4	143.9	143.3	143.9	146.7	146.7
27.5°	1396.1	1229.6	666.4	215.3	139.4	135.5	135.0	135.5	136.3	138.4	138.6
30°	1397.1	1189.9	534.0	155.8	126.4	122.2	123.3	125.1	124.3	123.8	124.3
32.5°	1399.7	1144.1	405.0	128.2	115.5	108.9	107.6	107.6	104.5	102.7	101.6
35°	1408.3	1090.1	293.7	115.2	104.2	96.7	91.7	86.0	80.0	76.9	76.1
37.5°	1421.9	1033.6	210.3	106.6	94.3	85.7	76.4	66.2	57.6	55.2	55.2
40°	1446.6	975.2	155.6	99.8	86.5	75.8	61.8	48.5	40.7	39.4	39.4
42.5°	1485.7	913.7	124.1	93.8	79.7	65.7	47.2	35.2	29.4	28.7	28.4
45°	1526.4	845.9	108.4	88.1	72.4	53.9	34.9	26.1	22.7	21.9	21.9
47.5°	1567.1	773.8	100.9	82.6	65.4	42.0	26.1	20.6	19.0	19.0	19.3
50°	1601.5	698.4	95.4	76.6	56.3	31.8	20.6	17.5	16.9	18.0	18.2
52.5°	1610.1	624.4	88.6	69.1	45.1	24.2	16.9	15.4	15.4	15.4	15.4
55°	1604.8	567.1	79.7	59.7	33.4	19.3	14.6	13.6	13.3	13.3	13.3
57.5°	1622.6	533.2	63.8	46.4	24.0	15.6	12.8	12.0	11.5	11.2	11.2
60°	1658.3	511.1	45.6	33.4	18.0	13.0	10.9	10.2	9.4	8.9	8.9
62.5°	1705.7	491.8	33.9	24.8	13.8	10.4	9.1	8.3	7.3	6.8	6.8
65°	1742.2	457.4	25.8	18.5	10.4	8.3	7.0	6.8	5.2	4.7	4.4
67.5°	1686.4	381.8	20.8	13.6	7.8	6.5	5.5	5.2	3.1	2.6	2.6
70°	1446.4	265.8	16.7	9.9	5.7	5.2	4.4	3.4	2.3	2.1	2.1
71°	1311.7	222.0	15.1	8.3	5.0	5.0	4.2	2.9	2.1	1.8	1.8
72.5°	1089.6	157.7	12.8	6.5	4.4	5.2	4.4	2.6	2.1	1.8	1.6
75°	632.5	65.9	8.9	4.4	3.4	6.3	5.7	2.3	1.6	1.3	1.3
77.5°	190.2	24.2	5.0	2.9	2.6	5.5	6.5	2.1	0.8	0.3	0.3
80°	34.7	10.4	3.1	1.8	1.8	3.4	5.0	1.0	0.0	0.0	0.0
82.5°	12.2	5.2	1.8	1.0	0.8	1.6	2.3	0.0	0.0	0.0	0.0
85°	7.0	3.6	1.0	0.5	0.0	0.3	0.5	0.0	0.0	0.0	0.0
87.5°	4.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	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)