

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: P1207884

Luminaire Tested: UPW-SA1-030-750-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4858 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 34
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

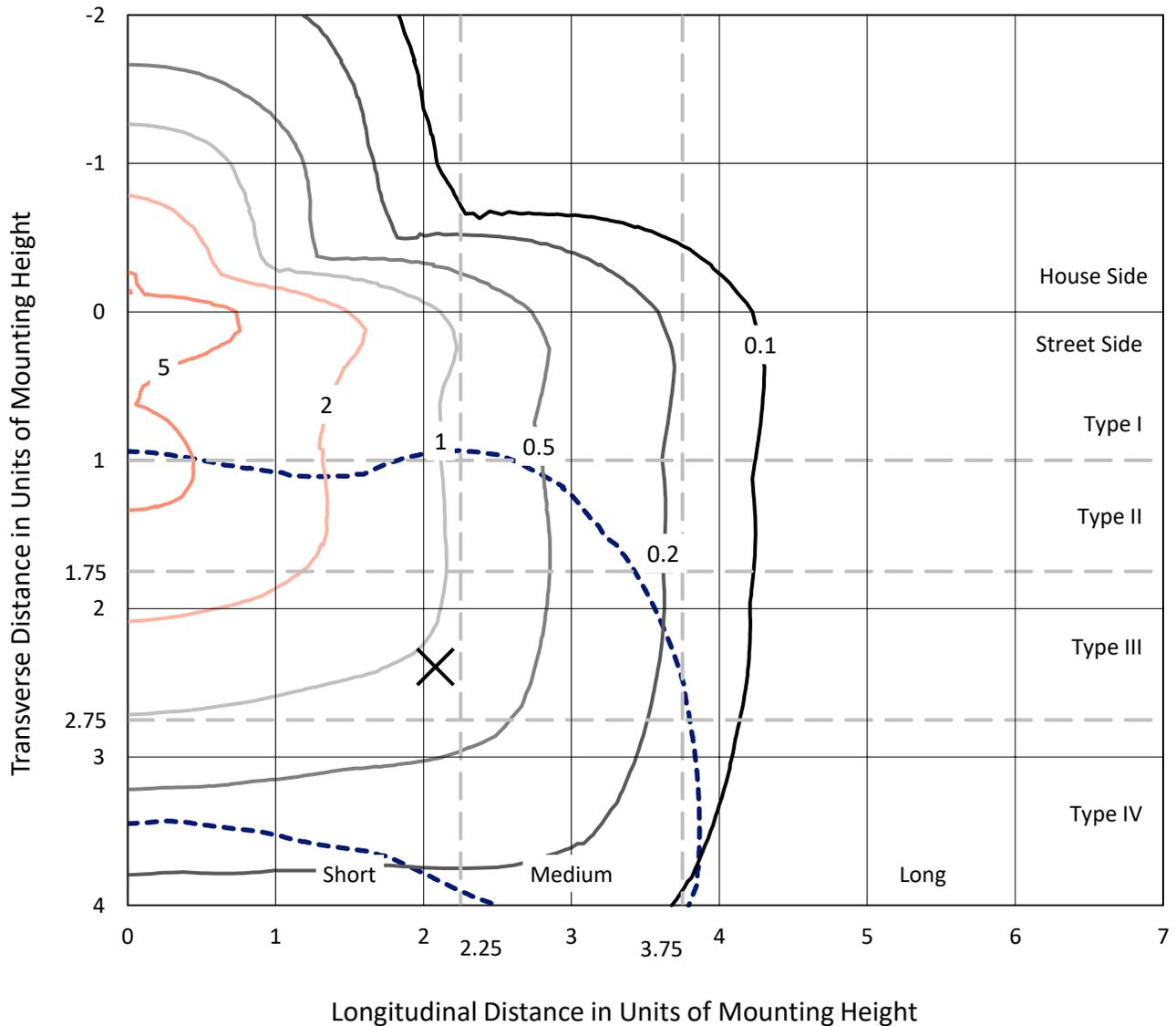


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

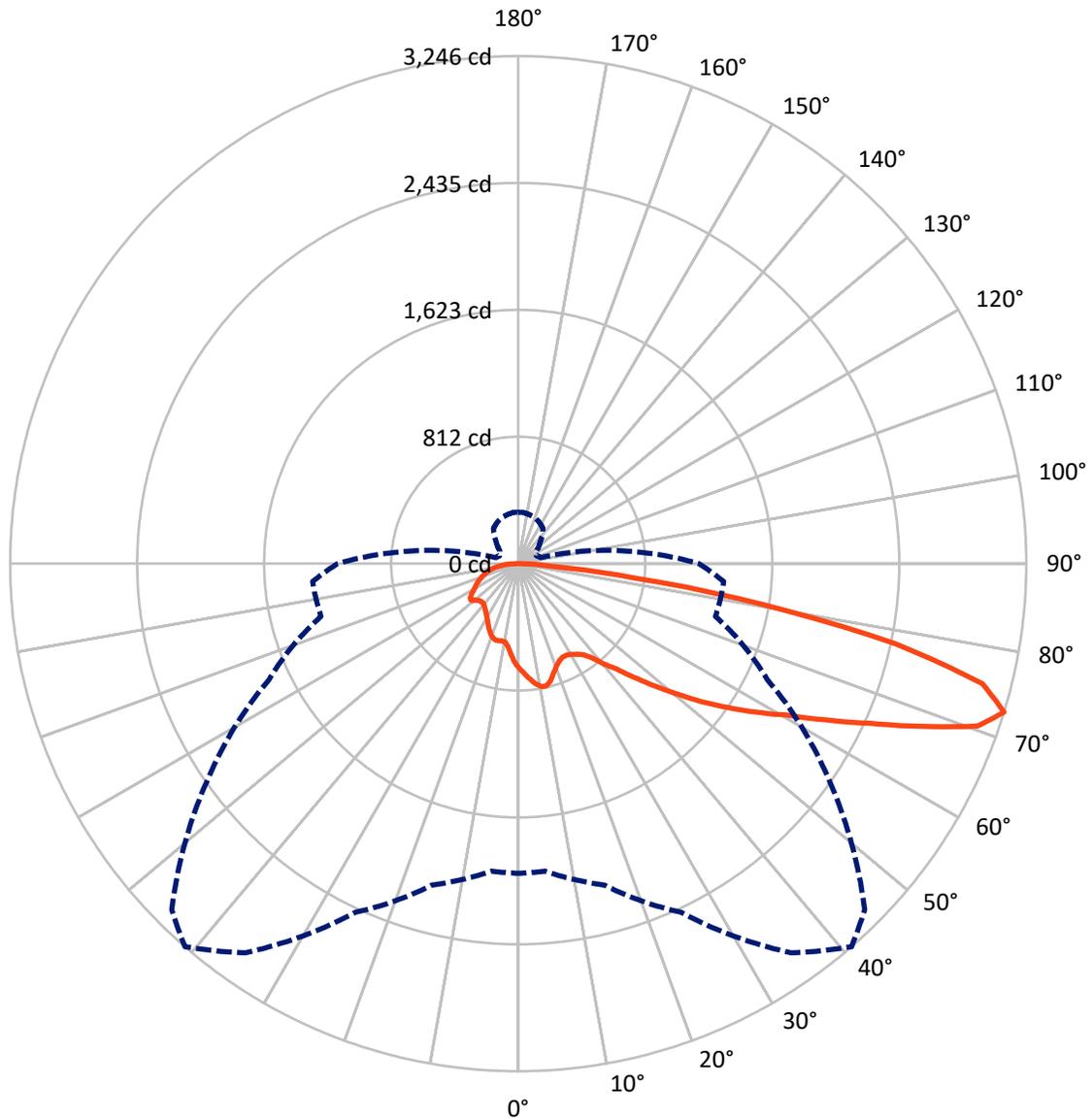


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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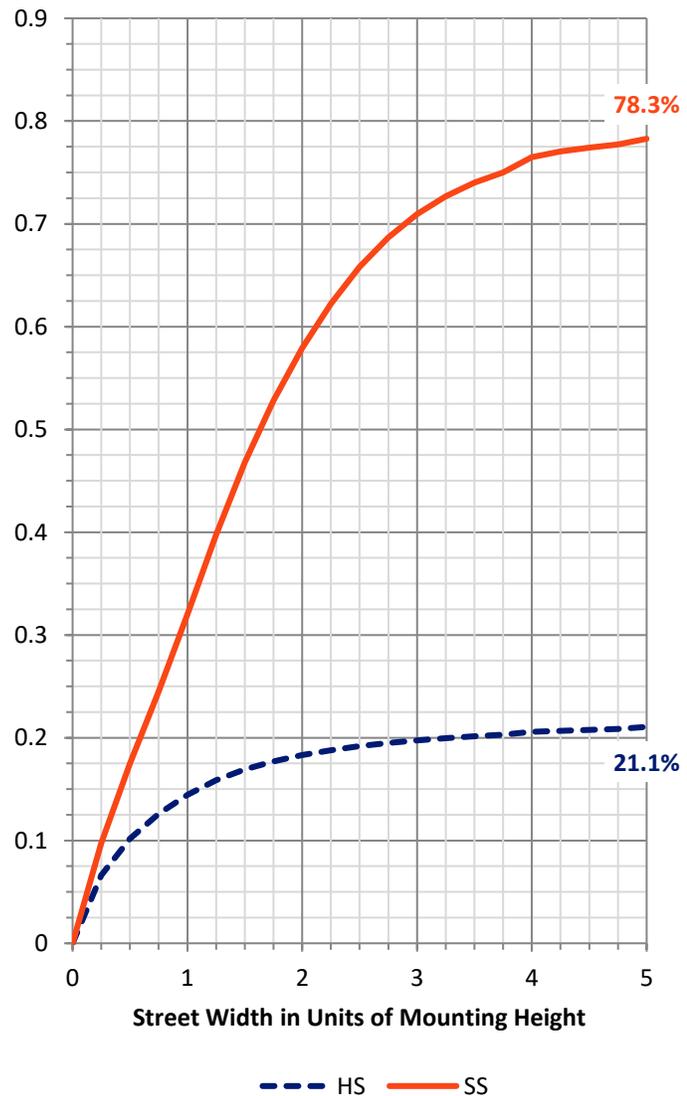
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1051.2	0.0	1051.2
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	3806.8	0.0	3806.8
	% Fixture	78.4	0.0	78.4
Total	Lumens	4858.0	0.0	4858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.3
10°-20°	191.9	3.9
20°-30°	294.9	6.1
30°-40°	405.4	8.3
40°-50°	617.7	12.7
50°-60°	912.2	18.8
60°-70°	1198.0	24.7
70°-80°	1026.4	21.1
80°-90°	147.9	3.0
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°	4858.0	100.0
0°-180°	4858.0	100.0

Coefficient of Utilization



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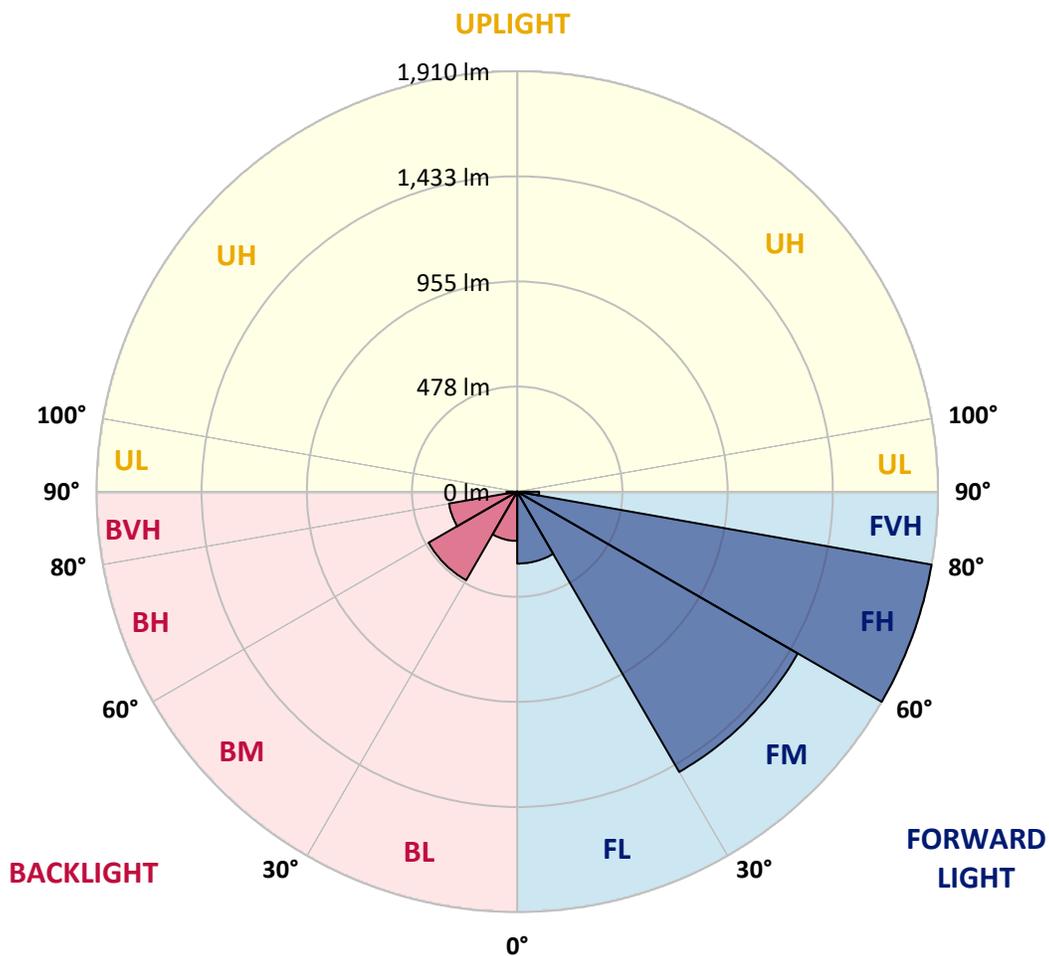
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.7	6.7			
FM	(30°-60°)	1470.7	30.3			
FH	(60°-80°)	1910.1	39.3			G2/5000
FVH	(80°-90°)	99.3	2.0			G1/100
BL	(0°-30°)	223.7	4.6	B1/500		
BM	(30°-60°)	464.6	9.6	B1/1000		
BH	(60°-80°)	314.3	6.5	B1/500		G1/500
BVH	(80°-90°)	48.6	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	667.7	667.7	667.7	667.7	667.7	667.7	667.7	667.7	667.7	667.7	667.7
2.5°	711.0	708.9	708.9	707.2	704.6	700.8	700.3	695.5	690.7	683.7	676.8
5°	752.1	748.9	747.8	745.7	743.0	737.7	738.2	729.7	719.5	706.2	692.3
7.5°	781.5	779.4	778.8	779.4	775.6	773.0	773.0	762.8	752.7	738.2	716.9
10°	791.6	789.0	791.1	795.9	799.7	799.1	801.8	798.1	790.6	778.3	748.4
12.5°	773.5	773.5	774.6	781.0	793.3	802.9	811.4	826.9	833.8	823.2	785.8
15°	745.7	744.1	742.5	745.2	760.1	776.2	794.3	836.0	866.4	865.9	825.3
17.5°	729.1	728.1	716.9	706.2	714.2	732.9	755.9	822.6	887.3	904.9	864.8
20°	719.5	717.4	704.0	682.7	679.5	698.7	716.3	795.4	890.5	942.3	902.2
22.5°	711.5	710.5	693.4	665.0	657.0	673.1	691.2	762.3	878.7	966.9	935.3
25°	715.3	713.1	691.8	658.1	648.5	661.8	677.9	736.1	857.9	980.7	962.0
27.5°	733.4	733.4	705.1	665.0	652.8	661.8	674.1	721.7	835.4	984.5	986.6
30°	775.1	773.5	737.7	689.1	669.3	673.1	681.6	716.9	813.5	977.5	1002.6
32.5°	848.3	842.9	798.6	732.4	693.9	690.2	691.8	713.7	791.1	965.3	1018.1
35°	981.3	966.9	899.0	808.7	737.7	714.7	708.3	716.9	777.8	956.7	1032.6
37.5°	1158.6	1138.3	1054.5	926.8	813.5	764.4	742.5	732.4	775.6	946.6	1046.4
40°	1327.4	1315.1	1215.8	1066.7	911.8	842.9	807.1	755.9	778.3	940.1	1065.7
42.5°	1542.7	1522.9	1407.6	1213.6	1019.7	920.4	868.6	787.4	795.4	944.4	1087.6
45°	1774.5	1770.8	1627.1	1394.2	1154.4	1035.2	969.5	846.7	828.5	961.5	1120.2
47.5°	2025.1	2008.0	1857.3	1604.1	1307.1	1164.0	1082.8	915.0	876.0	990.4	1163.4
50°	2238.2	2225.9	2071.0	1798.0	1473.8	1305.0	1210.4	997.8	935.3	1029.4	1208.8
52.5°	2352.0	2342.9	2247.8	2002.1	1644.7	1464.7	1328.5	1084.4	1009.6	1078.0	1258.5
55°	2324.7	2319.4	2318.9	2155.9	1831.2	1625.5	1463.1	1176.8	1095.1	1136.2	1317.3
57.5°	2317.3	2308.2	2313.0	2262.2	2008.5	1791.6	1612.7	1291.6	1201.9	1206.2	1378.7
60°	2324.7	2319.4	2346.6	2327.9	2175.2	1965.8	1786.8	1431.1	1313.5	1277.7	1433.7
62.5°	2394.2	2381.4	2402.7	2442.2	2356.8	2201.9	2006.9	1597.2	1437.5	1331.7	1476.5
65°	2500.5	2476.4	2483.4	2583.3	2571.0	2459.3	2268.1	1813.5	1553.9	1375.0	1496.2
67.5°	2530.9	2522.9	2541.1	2668.7	2796.4	2777.2	2599.3	2052.3	1667.7	1399.5	1473.8
70°	2405.4	2395.2	2476.4	2673.5	3018.1	3112.1	2947.0	2282.5	1764.9	1390.5	1422.5
72.5°	1980.2	1973.8	2128.2	2460.4	3038.4	3246.2	3130.8	2428.9	1756.9	1304.5	1318.3
75°	1281.0	1259.6	1507.4	1934.8	2726.4	3063.0	2981.2	2244.6	1539.0	1159.7	1135.7
77.5°	453.0	509.1	651.2	1150.6	2071.5	2465.2	2328.5	1683.7	1136.7	849.9	800.2
80°	158.1	166.1	207.8	431.1	1120.7	1579.0	1469.0	975.9	607.4	442.8	424.7
82.5°	92.9	97.2	109.0	158.1	412.4	750.0	626.1	409.7	222.2	190.2	166.7
85°	31.5	33.7	56.6	81.2	146.4	216.9	195.0	105.2	86.0	76.9	49.7
87.5°	6.4	7.5	12.3	26.7	49.1	55.6	42.2	25.6	35.8	35.8	17.1
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°	667.7	667.7	667.7	667.7	667.7	667.7	667.7	667.7	667.7	667.7	667.7
2.5°	672.0	667.2	658.6	650.6	642.1	635.7	627.7	621.2	622.3	618.6	617.5
5°	683.2	673.1	652.8	631.4	609.5	588.7	571.0	556.6	548.6	544.3	543.8
7.5°	701.4	685.9	649.6	610.6	569.4	541.1	522.4	513.3	512.3	511.2	509.6
10°	729.7	705.1	648.5	586.0	534.2	509.6	506.4	512.8	521.9	526.7	526.7
12.5°	759.6	728.1	648.0	560.9	506.9	498.9	513.3	531.5	546.5	553.4	552.3
15°	791.6	751.1	639.9	532.6	487.7	499.5	524.6	544.3	559.8	566.2	566.8
17.5°	825.8	771.9	626.6	501.6	473.8	498.4	524.0	541.1	555.0	559.8	558.7
20°	855.2	790.6	607.9	470.1	461.5	488.2	511.2	524.0	532.0	533.1	533.1
22.5°	879.3	803.9	580.6	440.7	444.4	470.6	488.2	495.2	498.4	500.0	499.5
25°	902.8	813.0	549.7	413.5	424.1	447.1	459.9	466.3	468.5	470.1	471.1
27.5°	918.8	817.3	513.3	383.5	400.6	420.4	432.7	439.1	443.9	447.1	447.1
30°	930.0	814.6	475.4	361.1	380.3	396.9	411.3	419.9	426.8	430.5	431.1
32.5°	940.7	811.4	437.0	338.7	360.0	377.7	394.2	407.0	416.7	420.9	422.5
35°	948.7	804.5	396.4	321.6	341.3	360.0	378.7	394.8	407.0	414.5	416.1
37.5°	956.7	797.5	359.0	303.4	325.3	345.6	367.0	382.5	396.9	407.0	410.2
40°	967.9	792.7	325.8	287.4	313.0	335.5	354.7	372.9	389.4	398.5	401.7
42.5°	983.4	789.5	297.5	275.6	303.4	329.1	349.4	372.9	393.2	397.4	399.6
45°	1004.2	789.5	274.6	266.0	298.6	329.1	354.2	379.8	395.8	394.2	395.8
47.5°	1027.2	789.5	256.4	257.5	296.5	333.3	361.6	392.6	409.7	414.5	417.7
50°	1059.3	789.5	242.0	250.0	292.7	340.3	386.7	418.3	428.4	430.0	431.1
52.5°	1094.5	796.5	231.3	242.5	291.7	362.7	406.5	417.2	416.7	411.8	411.3
55°	1136.7	808.7	221.7	234.0	295.4	367.0	393.7	396.9	386.7	377.7	375.5
57.5°	1179.5	824.2	212.1	223.3	280.4	340.8	372.9	370.2	369.6	364.8	364.3
60°	1226.5	841.9	201.4	205.7	250.5	315.7	344.5	365.4	371.3	366.4	365.4
62.5°	1261.2	862.2	190.2	186.4	224.9	293.3	334.4	360.6	371.8	371.8	371.3
65°	1277.7	872.3	179.5	168.8	203.0	269.8	324.8	347.2	361.1	364.8	363.8
67.5°	1258.5	858.4	171.5	153.8	182.2	245.7	309.3	330.1	348.3	354.2	353.6
70°	1225.4	847.2	165.1	138.4	164.0	220.1	293.8	316.2	334.4	344.5	343.5
72.5°	1153.3	807.7	149.0	125.0	143.7	199.8	275.1	301.3	318.4	329.6	329.1
75°	989.8	709.9	124.5	112.7	121.8	180.0	254.8	284.2	296.5	307.2	306.6
77.5°	729.7	533.6	97.8	95.1	102.0	159.2	229.2	258.0	267.6	275.6	274.0
80°	384.6	312.5	76.9	78.0	84.4	137.3	203.5	225.4	233.4	237.7	234.5
82.5°	167.7	135.1	57.2	62.0	66.2	110.0	167.7	187.0	192.3	189.1	180.0
85°	53.4	36.9	34.2	40.6	44.9	73.2	130.3	145.3	154.4	144.8	142.6
87.5°	13.4	12.3	14.4	20.8	23.5	40.6	88.7	91.9	104.2	32.1	29.9
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)