

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: P1208436

Luminaire Tested: UPW-SA1-060-827-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-827-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 4270 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

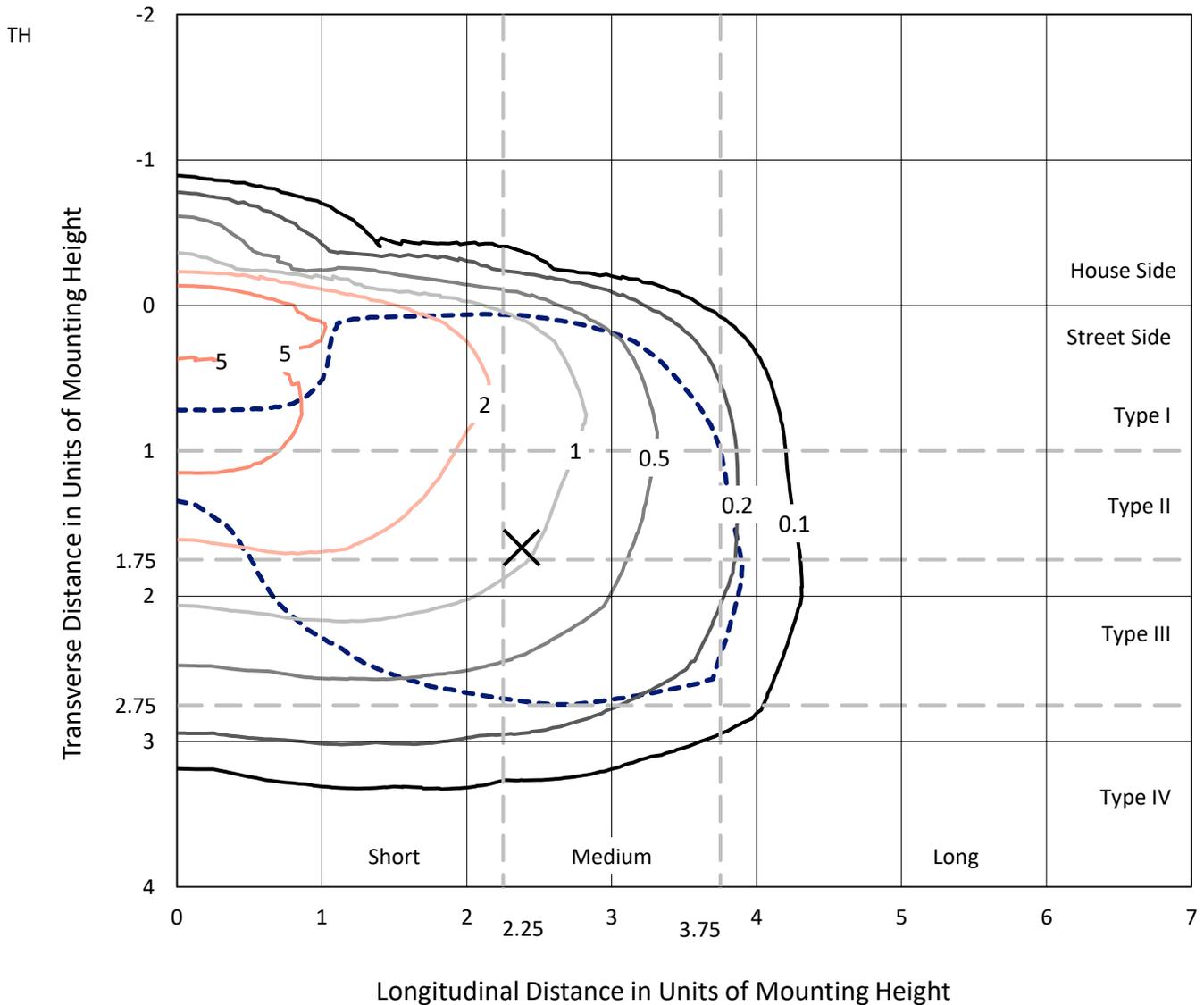
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

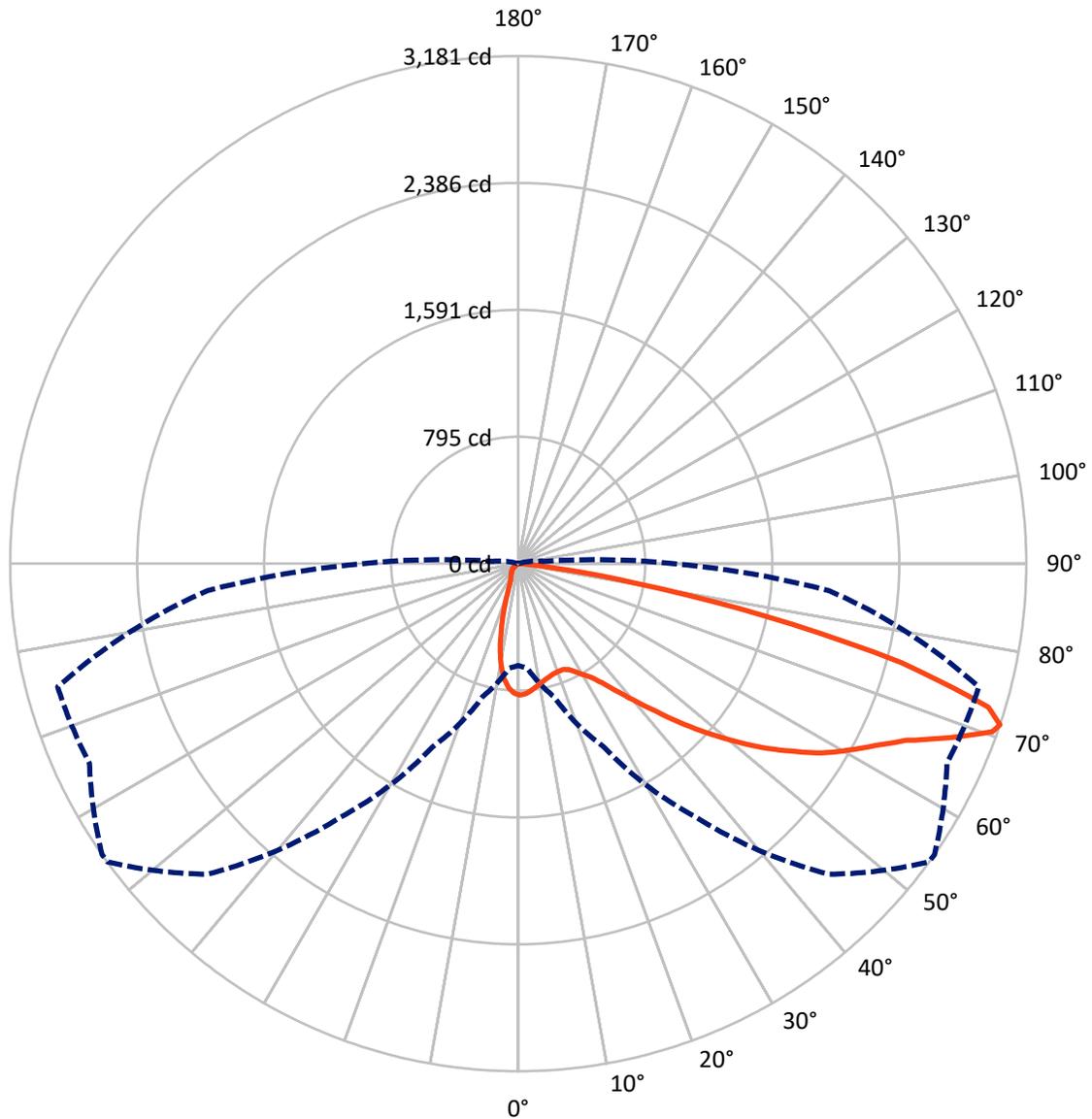
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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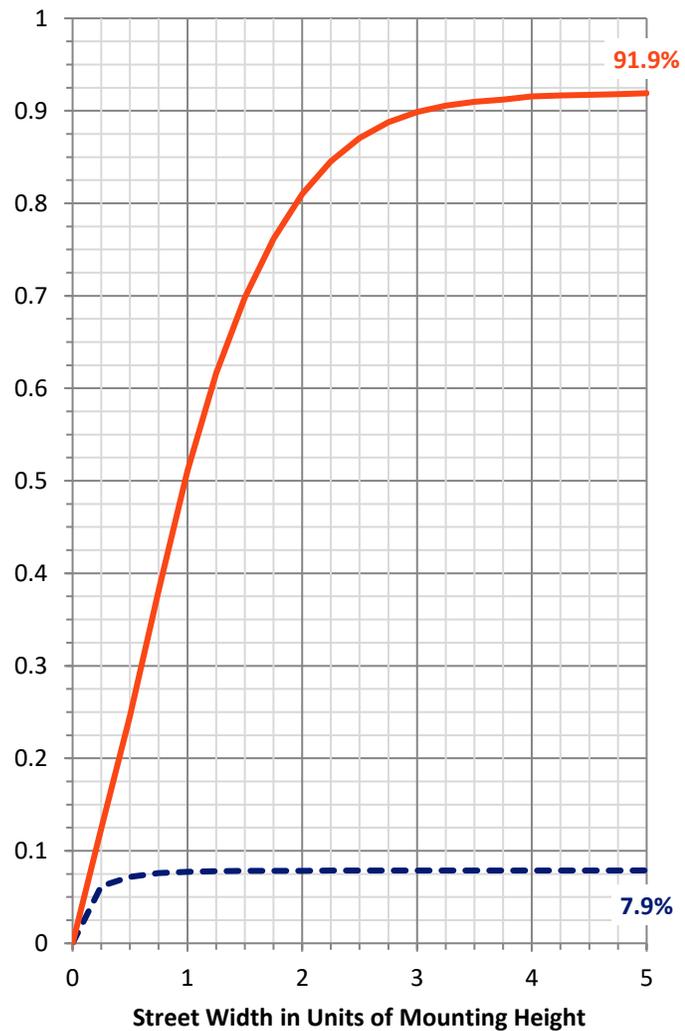
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.1	0.0	338.1
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	3931.9	0.0	3931.9
	% Fixture	92.1	0.0	92.1
Total	Lumens	4270.0	0.0	4270.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.6
10°-20°	158.5	3.7
20°-30°	254.7	6.0
30°-40°	432.8	10.1
40°-50°	671.8	15.7
50°-60°	903.2	21.2
60°-70°	1104.9	25.9
70°-80°	646.0	15.1
80°-90°	27.9	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°	4270.0	100.0
0°-180°	4270.0	100.0



--- HS — SS

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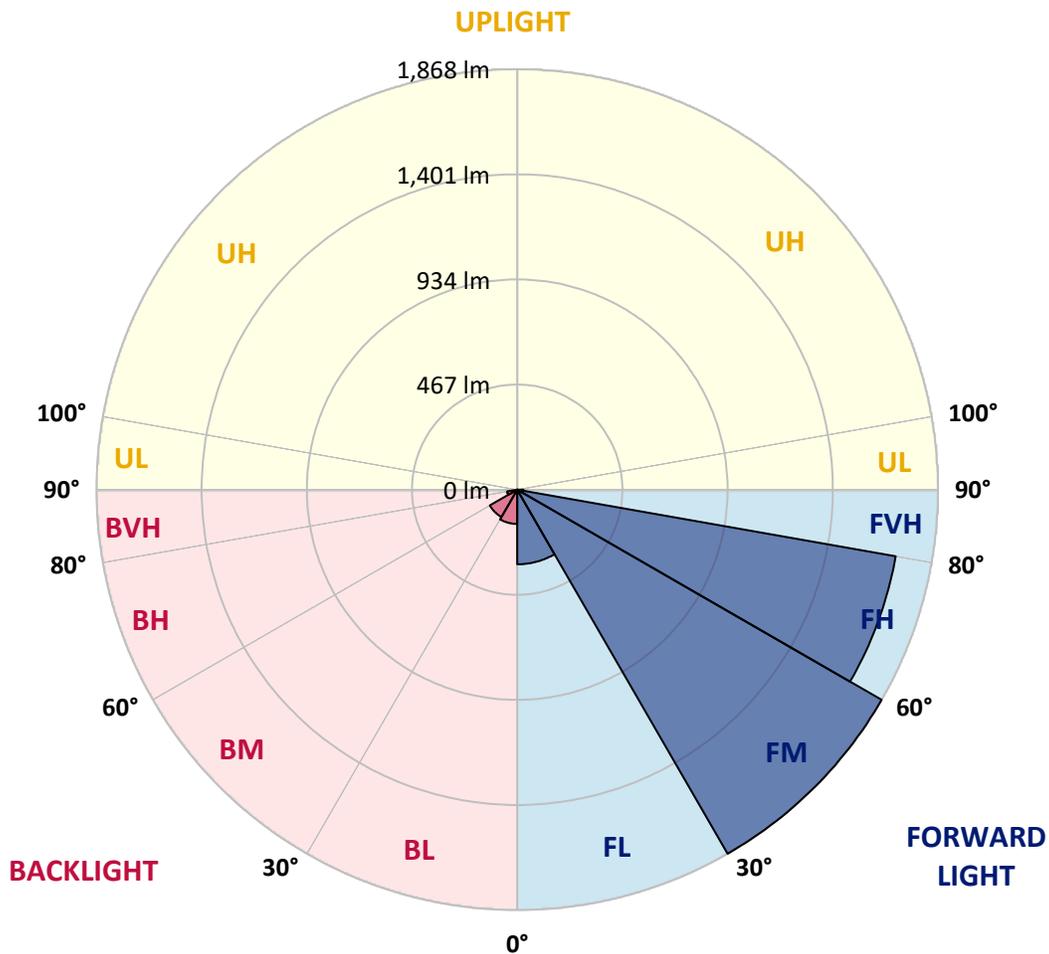
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.3	7.8			
FM	(30°-60°)	1867.6	43.7			
FH	(60°-80°)	1705.6	39.9			G1/1800
FVH	(80°-90°)	27.5	0.6			G1/100
BL	(0°-30°)	152.2	3.6	B1/500		
BM	(30°-60°)	140.2	3.3	B0/220		
BH	(60°-80°)	45.3	1.1	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5
2.5°	799.3	800.3	803.7	805.3	808.9	815.0	818.1	818.3	823.3	825.2	826.7
5°	742.8	748.5	754.3	760.4	771.5	786.3	800.9	802.2	818.3	830.2	836.5
7.5°	694.1	699.2	706.1	715.9	731.6	754.8	779.2	782.1	812.6	839.6	853.8
10°	644.0	648.2	658.2	672.6	694.3	725.3	758.1	762.9	807.4	852.2	877.2
12.5°	590.5	593.0	605.1	625.8	657.6	697.1	740.3	746.6	804.1	866.8	904.8
15°	549.9	551.0	562.5	584.0	620.4	671.8	726.5	734.1	804.9	884.3	934.9
17.5°	539.5	540.1	546.2	561.0	593.2	649.2	715.5	724.9	807.2	901.3	965.2
20°	581.5	577.5	571.2	568.9	582.7	635.6	709.0	719.6	810.3	916.5	992.4
22.5°	696.8	684.9	658.6	623.5	602.2	636.5	710.7	721.3	820.0	935.1	1023.8
25°	867.8	851.3	806.6	737.6	671.3	664.2	725.1	735.9	839.0	957.3	1053.9
27.5°	1062.4	1046.1	991.4	892.9	779.8	718.8	758.1	768.1	867.2	977.1	1077.0
30°	1248.7	1244.1	1179.7	1067.8	916.3	807.4	800.7	809.1	888.1	988.9	1095.2
32.5°	1406.7	1399.4	1347.7	1238.8	1072.5	913.8	850.7	853.2	903.8	1004.3	1118.9
35°	1553.2	1544.2	1498.8	1395.8	1232.8	1043.8	927.8	924.1	938.1	1035.2	1153.5
37.5°	1681.1	1689.3	1638.9	1540.9	1376.6	1179.0	1031.7	1020.8	991.8	1085.4	1203.5
40°	1788.1	1788.1	1761.8	1680.1	1531.9	1318.7	1149.2	1134.9	1072.5	1162.8	1267.0
42.5°	1826.6	1834.9	1844.6	1798.4	1670.9	1464.1	1280.2	1265.2	1186.2	1272.7	1347.1
45°	1828.9	1842.0	1892.0	1891.8	1796.5	1608.4	1427.8	1420.7	1332.0	1413.8	1446.4
47.5°	1796.5	1812.8	1895.3	1942.0	1896.0	1742.8	1589.3	1580.4	1503.2	1586.8	1550.3
50°	1746.5	1764.5	1860.4	1961.8	1963.7	1859.8	1759.3	1746.1	1691.6	1784.4	1657.7
52.5°	1656.9	1691.8	1829.1	1966.4	2008.2	1960.8	1921.1	1915.4	1902.5	1974.8	1743.2
55°	1465.4	1504.1	1750.7	1967.9	2049.4	2050.4	2072.8	2074.3	2100.2	2152.8	1806.9
57.5°	1374.9	1396.8	1613.8	1975.2	2110.6	2152.0	2227.3	2239.2	2279.3	2321.7	1879.5
60°	1318.0	1343.8	1546.3	1965.2	2206.6	2285.2	2370.6	2374.6	2417.5	2496.0	1977.9
62.5°	1272.5	1298.0	1503.7	1926.9	2314.6	2445.5	2510.5	2510.9	2543.1	2703.6	2089.7
65°	1160.4	1181.8	1417.7	1883.8	2385.9	2604.1	2673.1	2670.6	2696.9	2922.6	2219.5
67.5°	998.2	1014.6	1241.8	1720.2	2359.1	2748.3	2918.5	2910.3	2878.5	3111.8	2270.5
70°	771.7	777.7	978.8	1433.6	2107.5	2803.7	3155.7	3151.5	2989.9	3077.9	2083.5
71°	637.9	657.4	862.6	1265.2	1939.0	2752.5	3178.7	3181.2	2961.9	2985.4	1954.9
72.5°	370.4	387.1	625.2	971.7	1646.2	2538.9	3059.5	3077.5	2831.1	2715.5	1669.8
75°	79.4	84.9	231.8	470.3	905.5	1779.5	2414.9	2479.1	2307.5	1847.3	1006.4
77.5°	55.2	59.6	99.3	213.4	299.3	879.3	1500.1	1572.6	1378.5	694.3	322.1
80°	43.7	48.7	77.5	105.5	80.9	283.6	702.7	747.0	459.8	154.9	54.3
82.5°	24.3	29.0	60.4	56.9	31.1	53.9	196.7	222.4	92.0	31.3	12.8
85°	7.1	8.6	38.9	41.4	13.2	10.4	33.6	41.6	17.4	8.2	5.8
87.5°	0.0	0.0	18.8	15.9	3.8	1.5	3.1	3.5	3.5	3.5	3.8
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°	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5
2.5°	826.7	828.1	823.3	817.0	810.3	802.0	793.4	786.7	786.5	783.2	780.0
5°	836.9	836.1	822.9	802.8	779.0	754.3	730.7	704.0	695.2	684.3	680.6
7.5°	855.7	850.3	822.3	778.2	726.1	674.3	620.8	566.9	543.9	523.2	519.6
10°	879.3	869.1	818.7	741.4	645.8	550.3	469.5	396.3	364.1	339.4	338.2
12.5°	903.8	888.3	808.5	685.8	540.5	406.3	313.3	241.2	214.4	197.1	198.6
15°	929.5	906.3	786.7	610.9	420.7	275.7	192.5	150.1	139.4	135.0	136.1
17.5°	955.8	918.8	756.2	520.5	302.4	177.9	133.3	121.4	121.4	122.3	122.7
20°	978.6	925.5	711.3	419.3	205.0	129.6	116.6	114.8	115.8	117.3	117.5
22.5°	1001.2	925.9	652.8	316.7	143.4	113.5	111.0	110.2	110.8	112.5	112.7
25°	1019.6	921.3	579.6	225.3	114.5	107.0	105.8	105.5	105.8	107.9	107.9
27.5°	1027.1	904.6	490.3	158.4	102.6	99.7	99.3	99.7	100.3	101.8	102.0
30°	1027.9	875.4	392.9	114.7	93.0	89.9	90.7	92.0	91.5	91.1	91.5
32.5°	1029.8	841.7	298.0	94.3	84.9	80.1	79.2	79.2	76.9	75.5	74.8
35°	1036.1	802.0	216.1	84.7	76.7	71.1	67.5	63.3	58.9	56.6	56.0
37.5°	1046.1	760.4	154.7	78.4	69.4	63.1	56.2	48.7	42.4	40.6	40.6
40°	1064.3	717.5	114.5	73.4	63.7	55.8	45.4	35.7	29.9	29.0	29.0
42.5°	1093.1	672.2	91.3	69.0	58.7	48.3	34.7	25.9	21.7	21.1	20.9
45°	1123.0	622.4	79.8	64.8	53.3	39.7	25.7	19.2	16.7	16.1	16.1
47.5°	1152.9	569.2	74.2	60.8	48.1	30.9	19.2	15.1	14.0	14.0	14.2
50°	1178.2	513.8	70.2	56.4	41.4	23.4	15.1	12.8	12.5	13.2	13.4
52.5°	1184.5	459.4	65.2	50.8	33.2	17.8	12.5	11.3	11.3	11.3	11.3
55°	1180.7	417.2	58.7	43.9	24.5	14.2	10.7	10.0	9.8	9.8	9.8
57.5°	1193.7	392.3	47.0	34.1	17.6	11.5	9.4	8.8	8.4	8.2	8.2
60°	1220.0	376.0	33.6	24.5	13.2	9.6	8.1	7.5	6.9	6.5	6.5
62.5°	1254.9	361.8	24.9	18.2	10.2	7.7	6.7	6.1	5.4	5.0	5.0
65°	1281.7	336.5	19.0	13.6	7.7	6.1	5.2	5.0	3.8	3.5	3.3
67.5°	1240.7	280.9	15.3	10.0	5.8	4.8	4.0	3.8	2.3	1.9	1.9
70°	1064.1	195.6	12.3	7.3	4.2	3.8	3.3	2.5	1.7	1.5	1.5
71°	965.0	163.4	11.1	6.1	3.6	3.6	3.1	2.1	1.5	1.3	1.3
72.5°	801.6	116.0	9.4	4.8	3.3	3.8	3.3	1.9	1.5	1.3	1.2
75°	465.3	48.5	6.5	3.3	2.5	4.6	4.2	1.7	1.2	1.0	1.0
77.5°	140.0	17.8	3.6	2.1	1.9	4.0	4.8	1.5	0.6	0.2	0.2
80°	25.5	7.7	2.3	1.3	1.3	2.5	3.6	0.8	0.0	0.0	0.0
82.5°	9.0	3.8	1.3	0.8	0.6	1.2	1.7	0.0	0.0	0.0	0.0
85°	5.2	2.7	0.8	0.4	0.0	0.2	0.4	0.0	0.0	0.0	0.0
87.5°	3.5	0.8	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)