

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: P1207784

Luminaire Tested: UPW-SA1-030-727-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-727-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3359 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

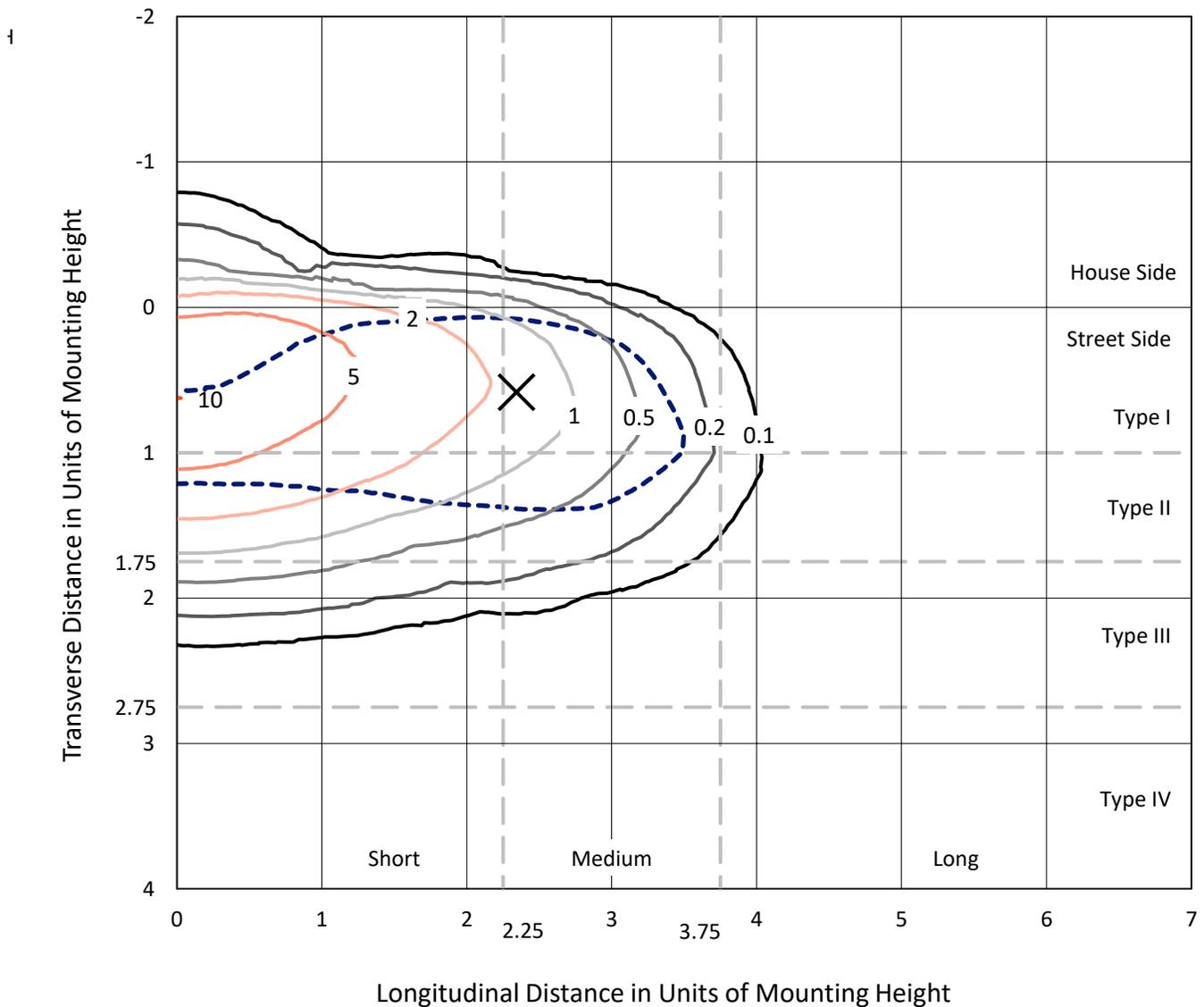


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Iso-Footcandle Lines of Horizontal Illumination

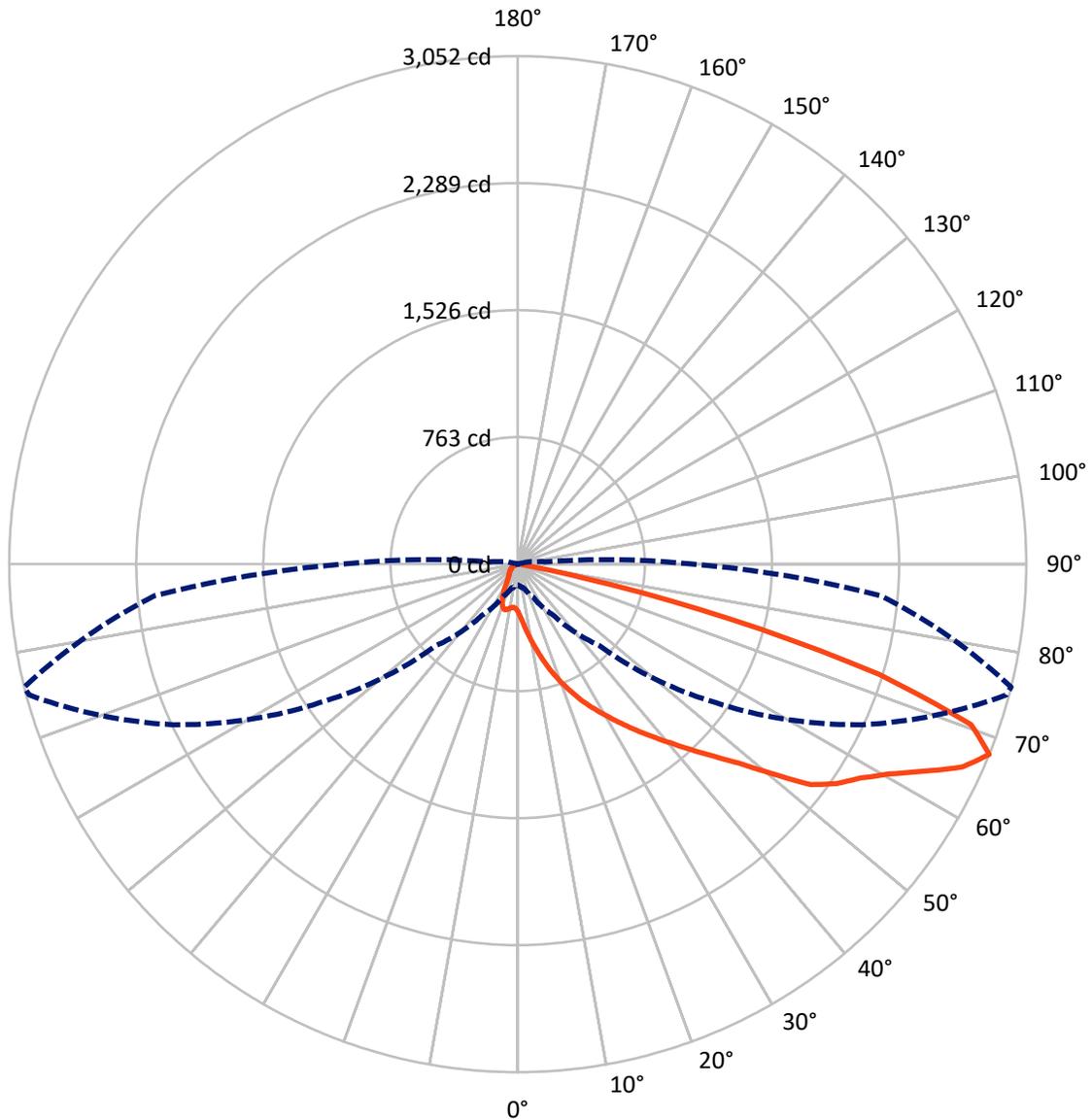
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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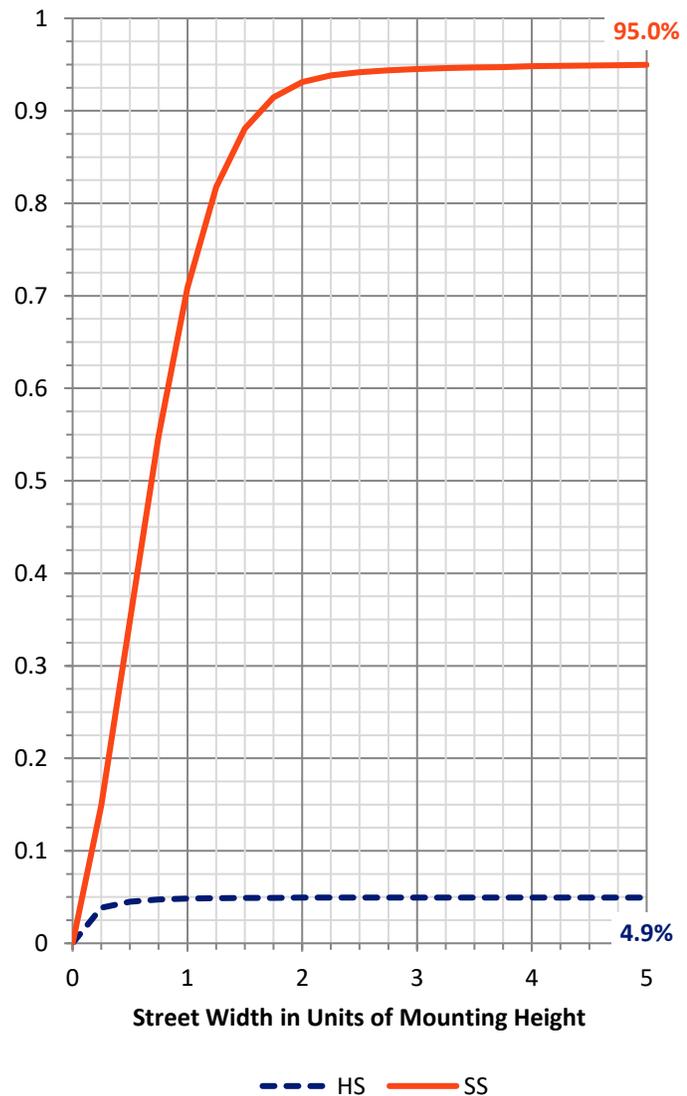
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	166.8	0.0	166.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3192.2	0.0	3192.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	3359.0	0.0	3359.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	1.1
10°-20°	140.5	4.2
20°-30°	285.8	8.5
30°-40°	496.0	14.8
40°-50°	700.8	20.9
50°-60°	794.8	23.7
60°-70°	659.2	19.6
70°-80°	238.8	7.1
80°-90°	7.7	0.2
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°	3359.0	100.0
0°-180°	3359.0	100.0



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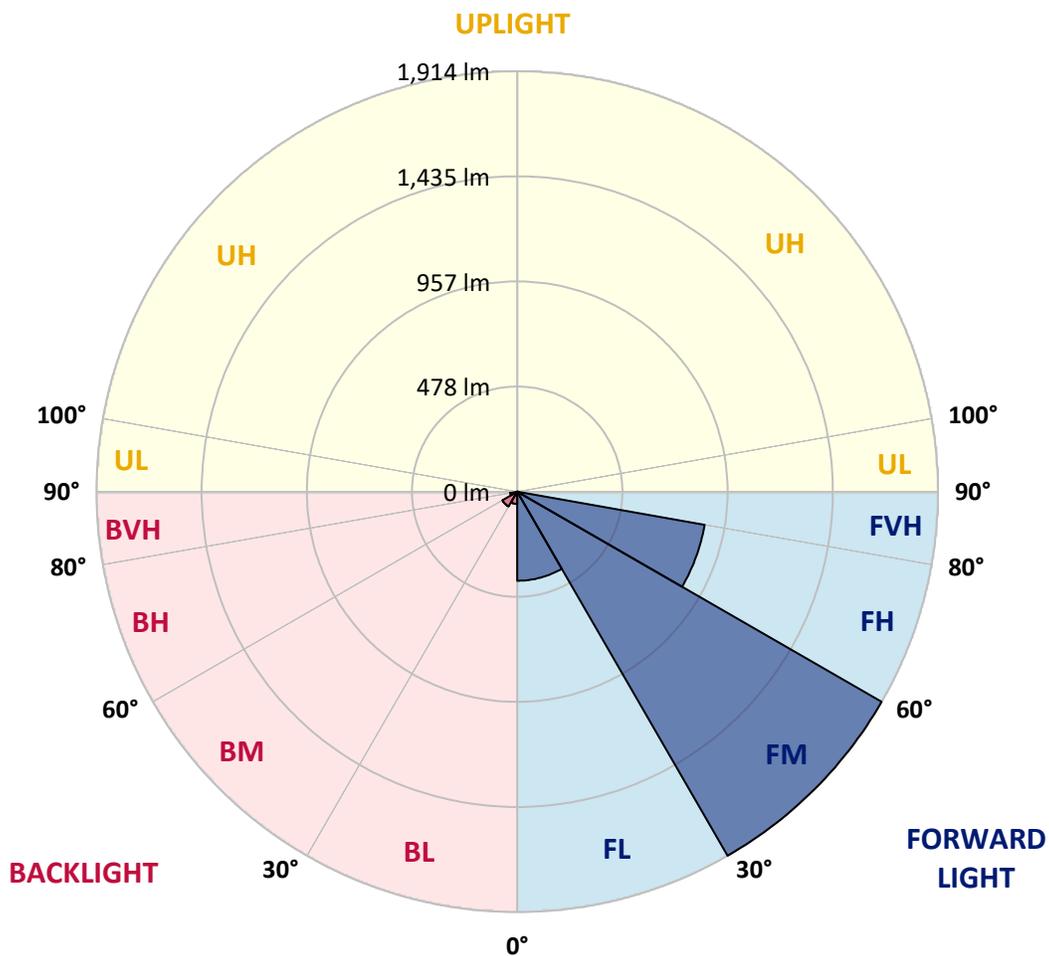
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	405.4	12.1			
FM	(30°-60°)	1913.6	57.0			
FH	(60°-80°)	865.7	25.8			G1/1800
FVH	(80°-90°)	7.5	0.2			G0/10
BL	(0°-30°)	56.3	1.7	B0/110		
BM	(30°-60°)	78.1	2.3	B0/220		
BH	(60°-80°)	32.2	1.0	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9
2.5°	425.4	415.8	418.0	411.8	400.6	377.7	358.1	339.5	317.9	317.2	299.4
5°	573.6	565.5	564.4	551.9	531.6	492.6	454.6	411.4	363.1	359.6	321.7
7.5°	708.1	701.6	699.3	684.4	646.6	608.6	559.1	495.6	420.1	413.6	351.9
10°	811.4	808.3	808.9	798.3	765.9	730.6	665.7	584.6	484.7	474.7	388.1
12.5°	889.7	890.4	895.7	889.3	871.2	845.0	775.6	679.5	556.2	542.5	429.5
15°	947.3	950.9	960.6	968.7	967.4	944.7	881.2	775.9	632.1	617.0	475.5
17.5°	984.5	988.6	1002.7	1020.7	1037.2	1031.9	983.0	869.0	709.0	691.5	524.8
20°	1017.2	1022.0	1037.2	1060.9	1091.6	1098.3	1066.2	959.2	785.6	764.3	575.8
22.5°	1088.0	1087.8	1097.1	1110.9	1140.2	1157.3	1137.0	1042.9	861.4	839.2	627.7
25°	1216.0	1211.1	1207.9	1197.0	1203.5	1214.1	1202.8	1121.2	937.7	915.2	680.4
27.5°	1368.2	1371.1	1344.9	1315.6	1293.0	1282.1	1263.5	1193.8	1011.0	986.3	731.9
30°	1528.8	1529.6	1498.7	1461.4	1411.5	1370.1	1338.0	1263.1	1086.3	1059.4	782.0
32.5°	1673.6	1667.8	1637.2	1586.3	1523.3	1476.8	1410.1	1340.5	1166.1	1140.1	837.6
35°	1788.4	1781.6	1744.4	1698.0	1632.7	1585.9	1505.7	1417.8	1250.0	1224.5	893.4
37.5°	1872.3	1864.3	1826.1	1778.4	1722.0	1694.8	1616.5	1501.8	1341.5	1314.2	952.1
40°	1901.4	1894.5	1870.5	1835.6	1790.3	1784.1	1734.1	1598.5	1441.2	1412.0	1018.6
42.5°	1884.1	1877.3	1868.7	1857.0	1838.1	1844.0	1845.0	1708.8	1551.9	1523.2	1092.1
45°	1815.2	1809.1	1818.0	1835.2	1858.6	1887.7	1946.3	1827.2	1675.5	1644.9	1177.0
47.5°	1713.8	1709.3	1733.8	1776.8	1845.2	1925.6	2038.9	1951.8	1814.3	1785.9	1283.0
50°	1569.5	1568.8	1617.7	1696.1	1801.3	1943.8	2134.6	2093.3	2007.1	1977.2	1430.3
52.5°	1344.9	1346.4	1442.5	1568.1	1724.4	1931.4	2196.1	2275.3	2231.4	2200.3	1557.9
55°	1131.1	1139.9	1208.1	1389.1	1606.3	1885.5	2217.3	2360.2	2355.2	2325.7	1628.8
57.5°	921.6	937.7	1003.3	1172.4	1434.0	1779.7	2205.6	2397.0	2447.3	2424.8	1722.4
60°	694.7	702.0	777.7	935.8	1212.8	1586.6	2121.3	2417.0	2573.3	2557.7	1858.3
62.5°	442.0	460.4	527.5	680.0	944.3	1318.4	1979.1	2416.7	2730.9	2739.5	2033.6
65°	232.8	254.3	289.9	421.4	648.9	1018.9	1765.3	2394.0	2924.3	2936.2	2170.6
67.5°	125.5	131.7	150.6	218.7	376.3	690.3	1451.0	2282.2	3036.3	3052.1	2189.7
70°	91.8	95.2	102.3	121.0	189.4	400.9	1058.8	2028.6	2891.9	2886.1	1945.6
72.5°	70.5	75.8	81.1	88.6	108.9	214.0	659.2	1588.5	2307.5	2268.6	1454.3
75°	55.6	56.5	64.0	70.8	81.7	121.9	292.7	925.2	1408.4	1316.4	754.2
77.5°	44.4	45.0	49.5	55.3	65.6	80.1	90.7	364.0	449.6	401.2	163.7
80°	26.3	27.8	36.8	42.7	54.5	50.5	33.1	79.0	70.2	63.6	27.5
82.5°	14.7	15.9	20.8	33.7	38.0	24.1	16.5	21.3	16.5	16.0	7.8
85°	0.0	0.7	13.4	20.9	15.5	5.3	6.9	7.1	4.9	4.6	3.1
87.5°	0.0	0.0	4.1	4.0	0.6	0.9	1.6	2.4	1.9	1.9	1.6
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°	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9
2.5°	290.5	282.6	267.6	252.9	240.5	230.3	221.2	217.5	214.6	214.1	211.8
5°	303.5	287.4	258.7	235.2	219.4	208.3	198.7	192.8	188.2	186.5	184.9
7.5°	323.1	298.8	257.6	230.5	211.6	192.8	175.1	156.0	144.1	139.5	136.9
10°	346.9	313.8	262.0	229.2	196.2	156.5	127.2	102.9	93.0	89.8	88.9
12.5°	374.7	332.5	269.6	220.9	163.2	111.1	87.7	79.5	77.3	76.2	76.2
15°	406.7	352.9	275.1	197.1	120.7	84.0	75.9	72.1	69.8	68.4	68.6
17.5°	439.3	373.0	272.4	162.5	89.0	74.8	68.7	64.6	61.4	60.0	59.8
20°	472.3	391.5	257.7	121.0	75.4	67.8	61.1	56.5	53.3	52.0	51.7
22.5°	506.4	407.2	231.8	88.7	67.7	60.2	53.6	49.0	45.9	44.7	44.2
25°	539.7	420.1	195.6	71.8	60.5	53.0	46.7	42.4	39.6	38.4	38.3
27.5°	570.8	428.1	153.7	63.4	54.2	46.5	40.8	36.9	34.6	33.7	33.6
30°	598.7	428.9	113.6	57.3	48.6	40.9	35.6	32.2	30.2	29.3	29.0
32.5°	627.0	422.7	82.7	51.7	43.4	36.1	30.9	28.3	26.8	26.1	26.1
35°	653.6	408.4	64.5	46.8	38.4	31.3	27.2	25.3	24.4	23.7	23.7
37.5°	679.7	388.0	54.8	42.5	33.7	27.4	24.0	22.8	22.1	21.3	21.3
40°	706.2	362.2	49.7	38.6	29.9	24.3	21.3	20.3	19.6	19.0	18.8
42.5°	738.7	332.5	46.5	34.9	26.5	21.5	18.8	17.7	17.1	16.5	16.2
45°	776.4	306.9	43.9	31.2	23.7	19.1	16.3	15.2	14.3	13.5	13.4
47.5°	830.7	288.3	40.3	27.2	21.0	16.6	14.1	12.8	11.5	10.7	10.6
50°	900.0	273.0	35.8	23.7	18.4	14.1	11.8	10.2	9.0	8.2	8.2
52.5°	934.4	253.0	31.6	20.6	15.5	11.9	9.6	7.7	7.1	6.3	6.3
55°	948.3	237.7	27.5	17.5	12.8	9.9	7.5	5.9	5.4	5.0	4.9
57.5°	987.1	233.3	24.0	14.9	10.6	7.8	5.7	4.4	4.1	3.5	3.5
60°	1049.7	235.5	20.8	12.7	8.5	6.0	4.3	3.4	3.1	2.5	2.5
62.5°	1117.2	232.7	17.5	10.9	6.6	4.4	2.9	2.5	2.5	1.5	1.3
65°	1130.2	207.2	15.0	9.0	5.2	3.2	1.9	1.6	2.2	0.3	0.0
67.5°	1049.0	160.7	13.0	6.9	3.8	2.5	1.5	0.7	1.9	0.0	0.0
70°	838.8	102.1	10.4	5.0	2.9	2.1	1.2	0.3	1.5	0.0	0.0
72.5°	593.1	59.3	8.2	3.5	2.5	1.6	0.9	0.0	0.9	0.0	0.0
75°	300.0	31.6	5.2	2.6	1.9	1.2	0.6	0.0	0.1	0.0	0.0
77.5°	64.9	14.7	3.2	1.9	1.3	0.7	0.3	0.0	0.0	0.0	0.0
80°	14.1	6.5	2.1	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	5.2	3.4	1.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.8	1.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.6	0.1	0.1	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)