

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: P1208743

Luminaire Tested: UPW-SA2-070-727-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-727-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5708 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

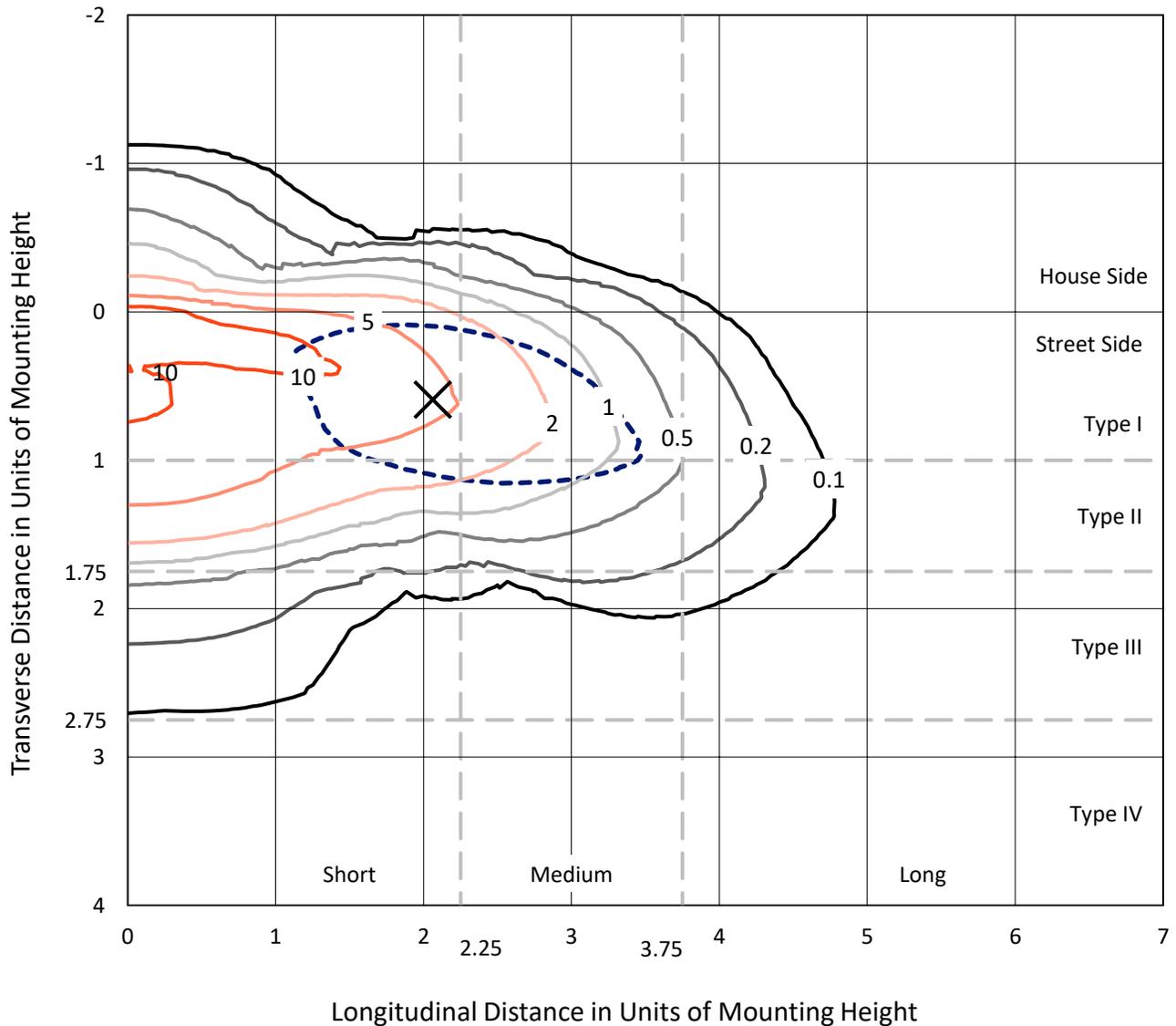
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

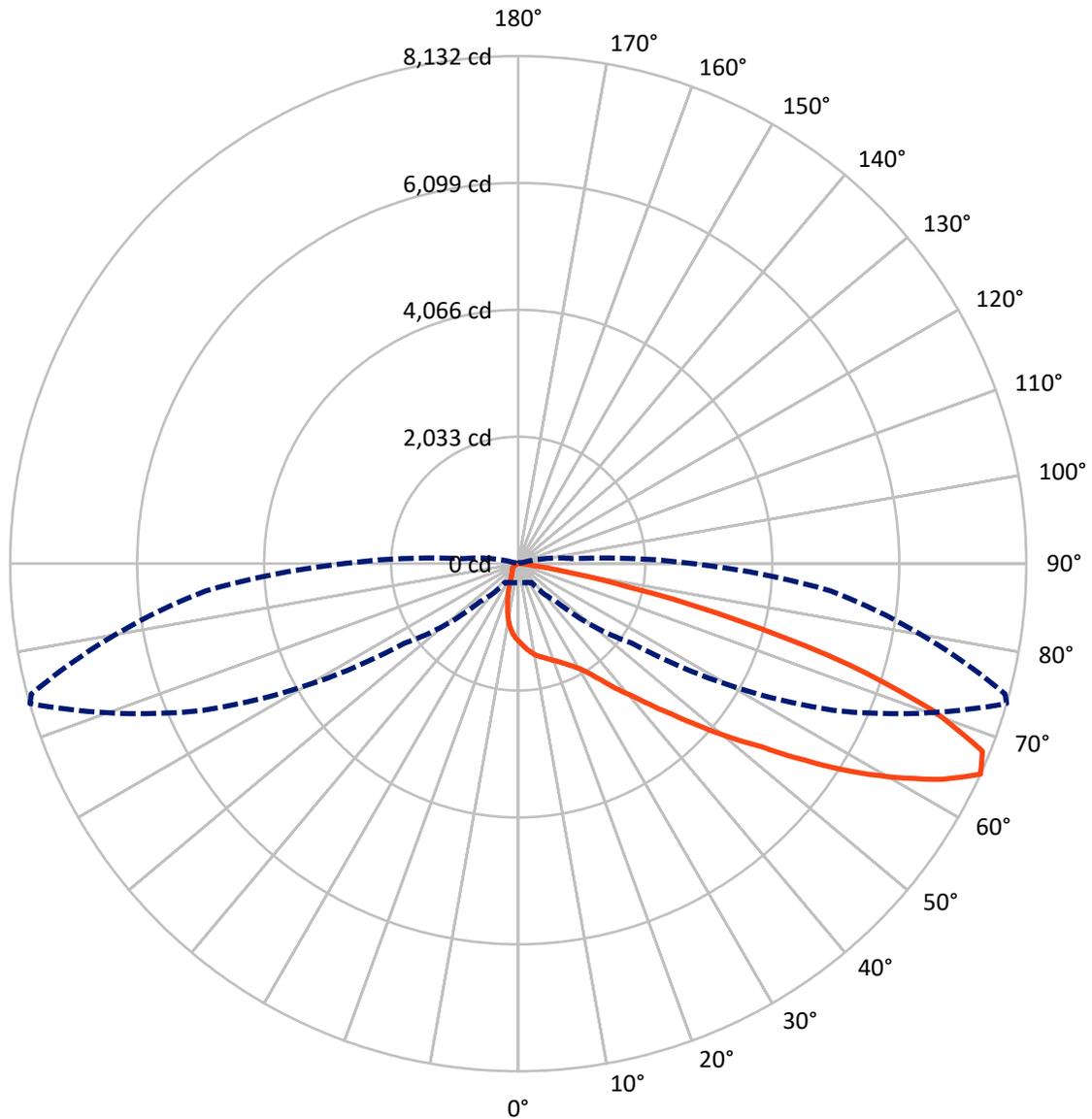
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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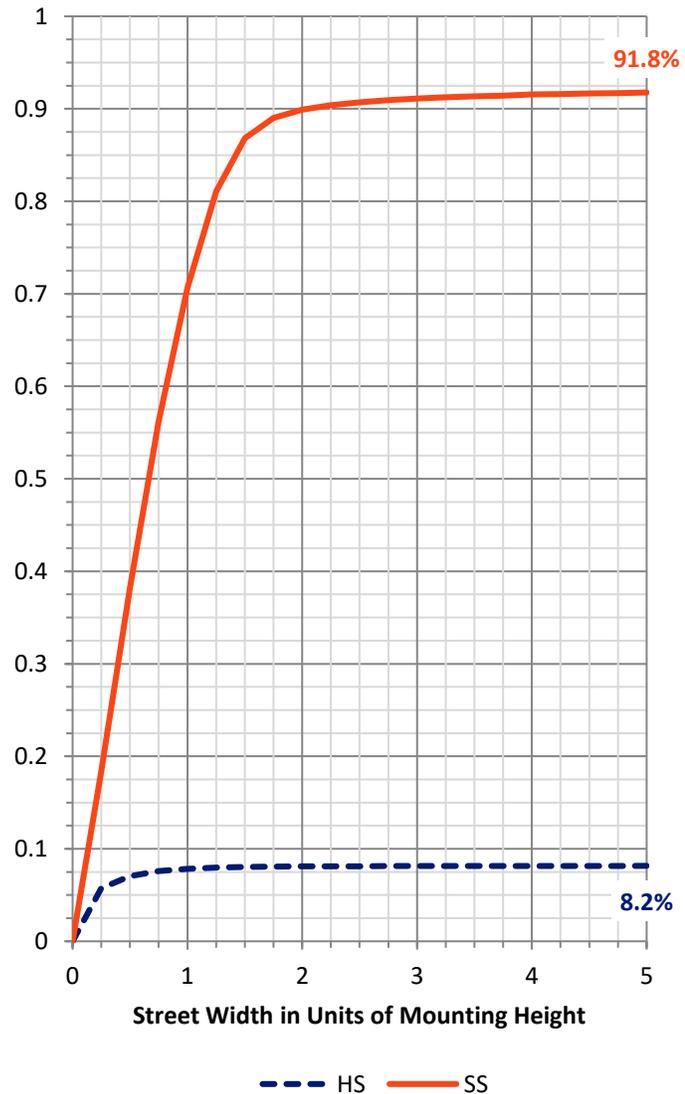
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.2	0.0	469.2
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	5238.8	0.0	5238.8
	% Fixture	91.8	0.0	91.8
Total	Lumens	5708.0	0.0	5708.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	1.9
10°-20°	260.1	4.6
20°-30°	405.6	7.1
30°-40°	640.2	11.2
40°-50°	995.8	17.4
50°-60°	1439.4	25.2
60°-70°	1301.1	22.8
70°-80°	523.0	9.2
80°-90°	36.7	0.6
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°	5708.0	100.0
0°-180°	5708.0	100.0



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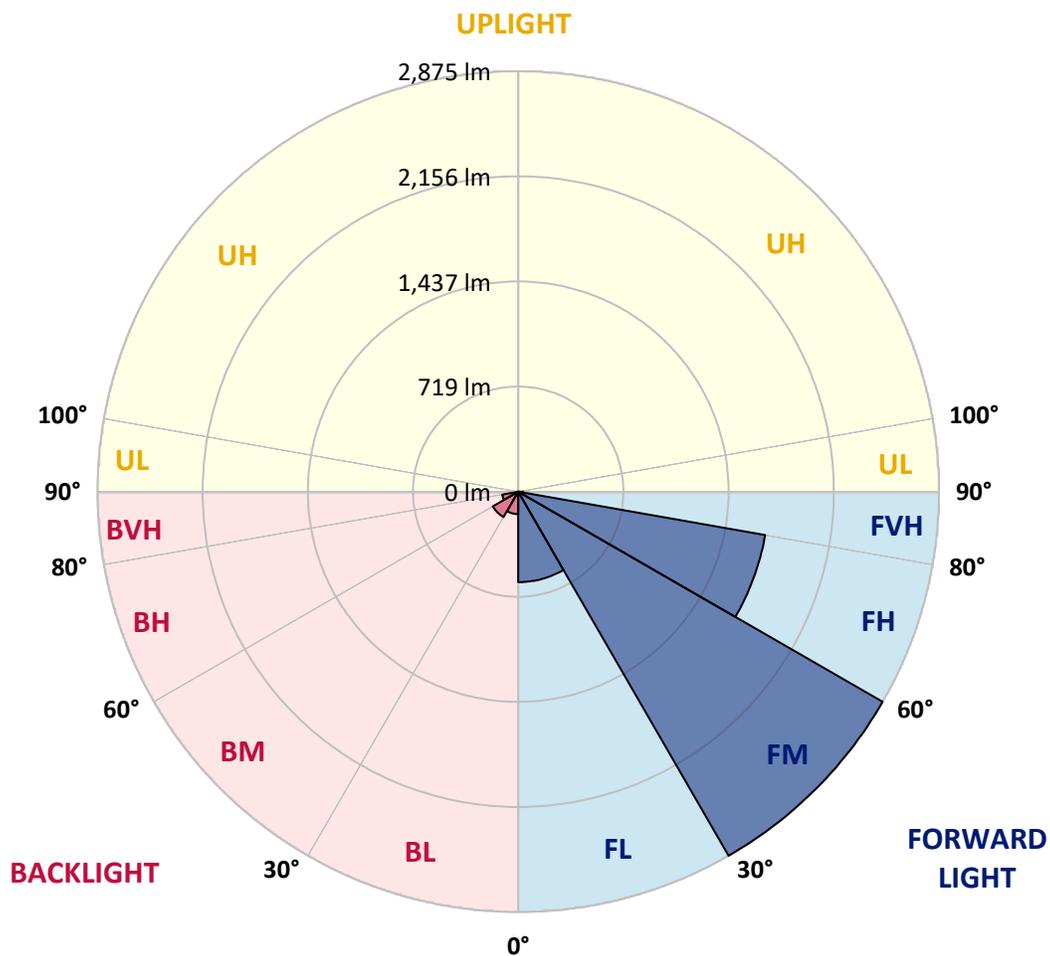
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	618.4	10.8			
FM	(30°-60°)	2874.6	50.4			
FH	(60°-80°)	1713.2	30.0			G1/1800
FVH	(80°-90°)	32.6	0.6			G1/100
BL	(0°-30°)	153.5	2.7	B1/500		
BM	(30°-60°)	200.8	3.5	B0/220		
BH	(60°-80°)	110.9	1.9	B1/500		G1/500
BVH	(80°-90°)	4.1	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1403.3	1398.1	1400.7	1389.4	1387.6	1376.3	1351.0	1325.7	1302.1	1296.0	1267.2
5°	1505.5	1502.8	1500.2	1498.5	1490.6	1481.9	1446.1	1412.1	1368.4	1360.6	1300.4
7.5°	1532.5	1529.9	1535.1	1543.9	1549.1	1544.7	1518.5	1485.4	1430.4	1421.7	1334.4
10°	1472.3	1469.7	1493.2	1527.3	1558.7	1581.4	1571.8	1542.1	1484.5	1475.8	1358.0
12.5°	1339.6	1336.1	1374.5	1444.4	1518.5	1583.1	1602.3	1582.3	1528.1	1518.5	1377.2
15°	1218.3	1213.1	1251.5	1322.2	1415.6	1540.4	1613.7	1619.8	1563.9	1557.8	1398.1
17.5°	1153.7	1154.6	1178.2	1236.7	1326.5	1462.7	1601.5	1654.7	1611.9	1604.1	1420.8
20°	1179.9	1181.7	1184.3	1207.0	1261.1	1394.6	1574.4	1692.2	1659.1	1650.3	1449.6
22.5°	1255.9	1260.2	1253.2	1241.0	1248.0	1344.9	1546.5	1733.2	1713.2	1704.4	1469.7
25°	1397.2	1392.0	1370.2	1321.3	1286.4	1330.0	1536.9	1780.4	1781.2	1770.8	1494.1
27.5°	1565.7	1551.7	1525.5	1447.9	1362.3	1354.5	1534.3	1831.0	1860.7	1845.8	1522.0
30°	1708.8	1701.8	1669.5	1598.0	1469.7	1411.2	1541.2	1879.9	1954.9	1947.1	1558.7
32.5°	1801.3	1799.6	1776.0	1728.0	1615.4	1502.8	1571.8	1946.2	2097.2	2071.0	1628.5
35°	1879.0	1871.1	1852.8	1821.4	1753.3	1627.6	1636.4	2052.7	2289.2	2281.3	1740.2
37.5°	1967.1	1957.5	1935.7	1896.4	1849.3	1775.1	1739.3	2190.5	2533.5	2530.0	1887.7
40°	2069.2	2063.1	2041.3	1988.9	1930.5	1886.0	1846.7	2332.8	2770.0	2745.6	2023.9
42.5°	2169.6	2171.3	2154.8	2100.7	2021.2	1961.0	1974.1	2477.7	3078.1	3065.9	2235.9
45°	2283.9	2277.8	2269.1	2229.8	2144.3	2020.4	2096.3	2678.4	3435.9	3466.5	2544.0
47.5°	2364.2	2362.5	2379.9	2350.3	2279.6	2115.5	2222.0	2927.1	3875.8	3904.6	2882.6
50°	2385.2	2382.5	2441.0	2465.5	2462.8	2299.6	2394.8	3242.2	4359.3	4354.9	3261.4
52.5°	2250.8	2256.9	2370.3	2500.4	2621.7	2583.3	2706.3	3675.9	4875.9	4890.8	3617.5
55°	1865.0	1903.4	2029.1	2330.2	2649.6	2872.1	3107.8	4272.9	5557.5	5518.3	3897.6
57.5°	1169.5	1149.4	1361.5	1797.8	2305.7	2894.0	3432.4	4872.4	6285.4	6235.6	4309.5
60°	596.1	569.9	693.8	1002.8	1600.6	2432.3	3439.4	5395.2	6956.5	6900.7	4725.8
62.5°	364.8	360.4	385.7	489.6	829.1	1640.7	2980.4	5711.1	7612.8	7568.3	5007.7
65°	307.2	306.3	315.9	332.5	367.4	851.8	2223.7	5556.7	8132.1	8067.5	5024.3
67.5°	272.3	272.3	292.4	300.2	244.4	366.5	1364.1	4914.3	8010.8	7998.6	4674.3
70°	234.8	231.3	259.2	282.8	203.3	188.5	702.5	3948.2	7037.7	7077.8	3981.4
72.5°	177.2	180.7	209.5	240.9	166.7	132.7	321.2	2763.1	5541.8	5561.0	3128.7
75°	133.5	137.0	162.3	197.2	134.4	100.4	177.2	1795.2	3629.7	3673.3	1827.5
77.5°	102.1	103.0	128.3	163.2	103.9	76.8	119.6	997.5	1839.7	1800.4	710.4
80°	70.7	73.3	100.4	126.5	82.9	57.6	80.3	432.0	664.1	612.7	220.8
82.5°	26.2	34.0	70.7	91.6	58.5	41.0	59.3	173.7	194.6	182.4	81.2
85°	4.4	4.4	38.4	67.2	31.4	24.4	37.5	60.2	63.7	67.2	41.9
87.5°	0.0	0.0	4.4	14.8	5.2	3.5	10.5	14.8	30.5	34.0	22.7
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°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1248.0	1229.7	1193.0	1161.6	1112.7	1070.0	1042.9	1022.0	1006.3	987.9	969.6
5°	1262.0	1219.2	1129.3	1028.1	924.2	830.8	754.0	684.2	638.8	633.6	611.8
7.5°	1274.2	1206.1	1054.3	874.5	715.6	580.4	485.2	426.8	376.1	360.4	367.4
10°	1274.2	1183.4	954.8	707.8	516.7	378.8	308.9	270.5	256.6	250.5	245.2
12.5°	1270.7	1146.8	830.0	551.6	359.6	275.8	244.4	230.4	222.5	219.1	217.3
15°	1265.5	1102.3	706.9	411.9	274.9	236.5	220.8	210.3	203.3	199.9	197.2
17.5°	1262.0	1056.0	595.2	312.4	237.4	215.6	202.5	192.0	185.9	180.7	179.8
20°	1251.5	1001.9	487.0	256.6	215.6	197.2	183.3	173.7	167.6	161.5	161.5
22.5°	1234.9	925.1	384.9	223.4	197.2	178.9	164.1	154.5	148.4	144.9	143.1
25°	1214.0	849.2	305.5	204.2	179.8	159.7	146.6	137.0	131.8	130.0	128.3
27.5°	1190.4	773.2	251.3	188.5	163.2	144.0	129.2	122.2	118.7	116.9	115.2
30°	1171.2	704.3	218.2	175.4	147.5	128.3	115.2	109.1	106.5	105.6	103.9
32.5°	1172.9	645.8	195.5	160.6	135.3	116.1	103.0	96.9	96.9	96.0	96.0
35°	1205.2	609.2	179.8	147.5	122.2	103.9	92.5	87.3	89.0	89.0	88.1
37.5°	1240.1	572.5	164.9	133.5	110.8	92.5	81.2	78.5	79.4	80.3	80.3
40°	1285.5	545.5	152.7	120.4	99.5	82.9	73.3	70.7	70.7	70.7	69.8
42.5°	1388.5	542.8	142.3	109.1	89.0	73.3	66.3	62.8	61.1	60.2	58.5
45°	1533.4	562.0	135.3	98.6	78.5	66.3	60.2	55.9	50.6	48.0	47.1
47.5°	1720.1	611.8	129.2	89.0	68.9	60.2	54.1	48.0	41.0	37.5	36.7
50°	1953.2	689.5	123.1	81.2	62.0	54.1	47.1	39.3	32.3	28.8	28.8
52.5°	2171.3	781.1	116.9	74.2	55.0	49.7	40.1	31.4	25.3	22.7	21.8
55°	2367.7	884.1	110.0	66.3	49.7	43.6	33.2	24.4	18.3	15.7	14.8
57.5°	2604.2	1014.1	101.2	58.5	44.5	37.5	26.2	17.5	12.2	8.7	7.9
60°	2862.5	1079.6	89.9	51.5	38.4	31.4	20.1	12.2	7.0	3.5	3.5
62.5°	2946.3	1047.3	75.9	44.5	33.2	25.3	14.8	7.9	2.6	0.0	0.0
65°	2793.6	897.2	64.6	39.3	28.8	19.2	10.5	4.4	0.0	0.0	0.0
67.5°	2441.9	698.2	53.2	34.0	24.4	15.7	7.0	0.9	0.0	0.0	0.0
70°	2016.0	517.5	44.5	27.9	20.9	12.2	4.4	0.0	0.0	0.0	0.0
72.5°	1556.1	367.4	38.4	23.6	17.5	9.6	2.6	0.0	0.0	0.0	0.0
75°	878.8	197.2	34.9	23.6	15.7	7.9	1.7	0.0	0.0	0.0	0.0
77.5°	363.1	90.8	30.5	23.6	15.7	8.7	2.6	0.0	0.0	0.0	0.0
80°	113.5	46.3	26.2	24.4	16.6	9.6	2.6	0.0	0.0	0.0	0.0
82.5°	53.2	35.8	27.1	22.7	14.8	8.7	2.6	0.0	0.0	0.0	0.0
85°	27.9	18.3	19.2	19.2	13.1	7.9	2.6	0.0	0.0	0.0	0.0
87.5°	7.9	0.9	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)