

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: P1209474

Luminaire Tested: UPW-SA2-130-727-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-727-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9365 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 129
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

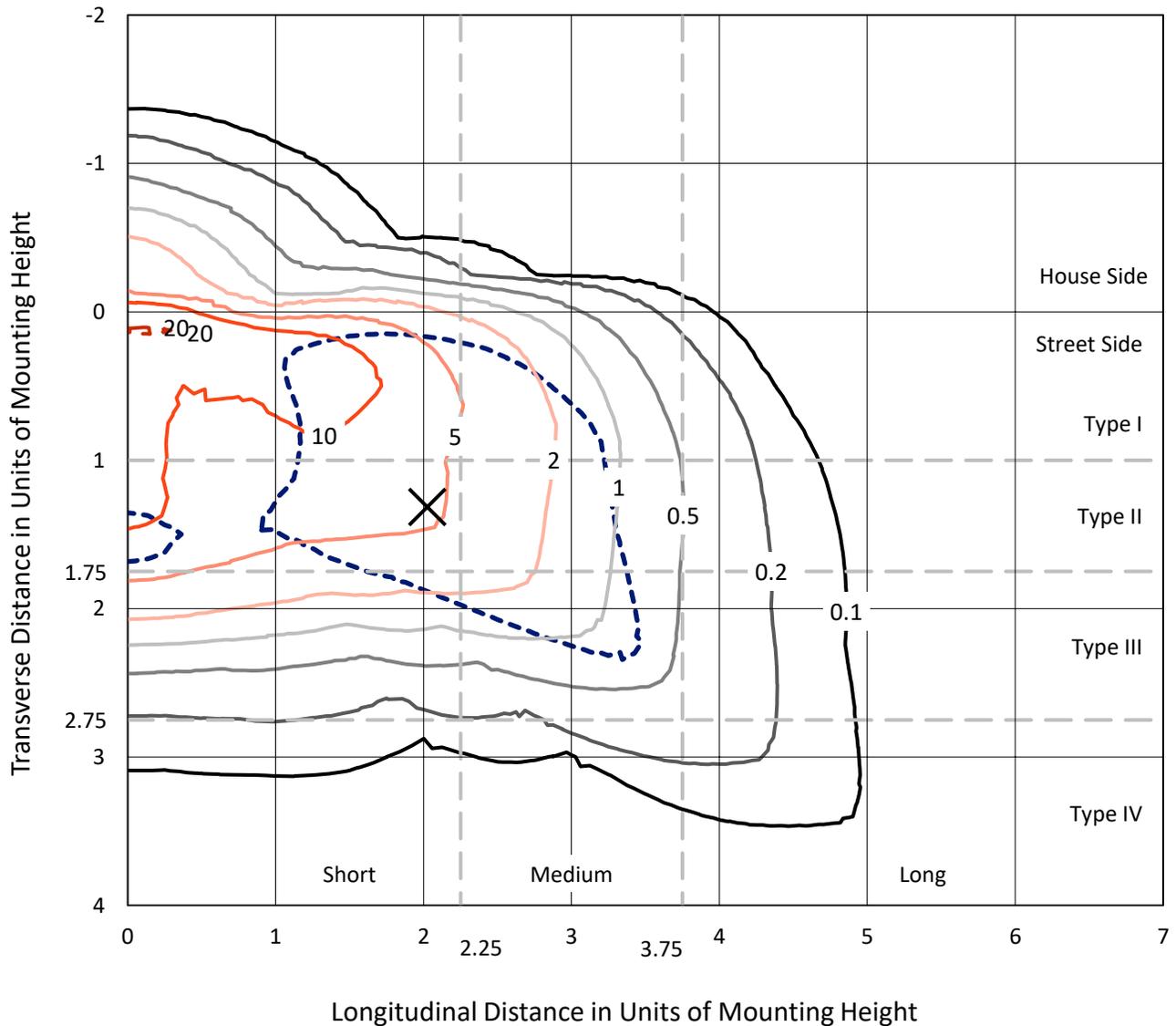


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Iso-Footcandle Lines of Horizontal Illumination

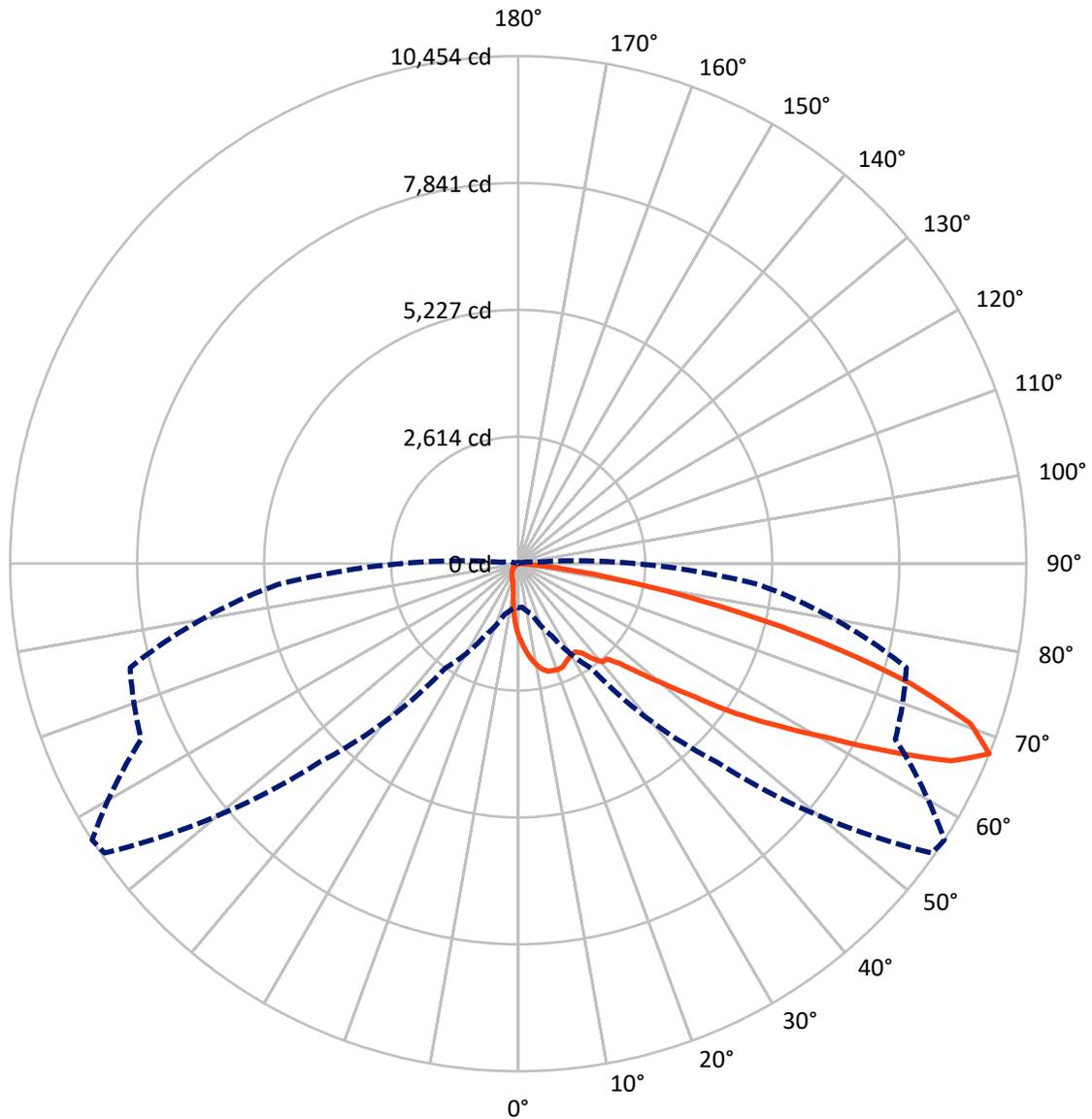
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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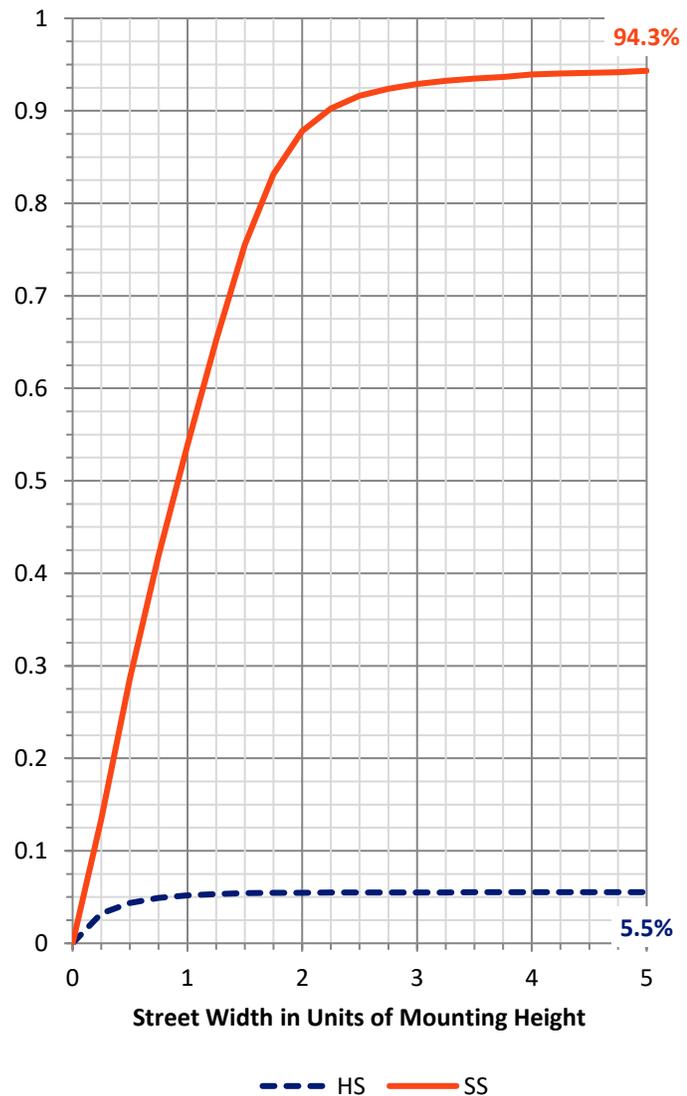
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	521.2	0.0	521.2
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	8843.8	0.0	8843.8
	% Fixture	94.4	0.0	94.4
Total	Lumens	9365.0	0.0	9365.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	1.4
10°-20°	348.4	3.7
20°-30°	509.8	5.4
30°-40°	766.6	8.2
40°-50°	1250.8	13.4
50°-60°	2367.4	25.3
60°-70°	2705.4	28.9
70°-80°	1180.8	12.6
80°-90°	102.0	1.1
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°	9365.0	100.0
0°-180°	9365.0	100.0



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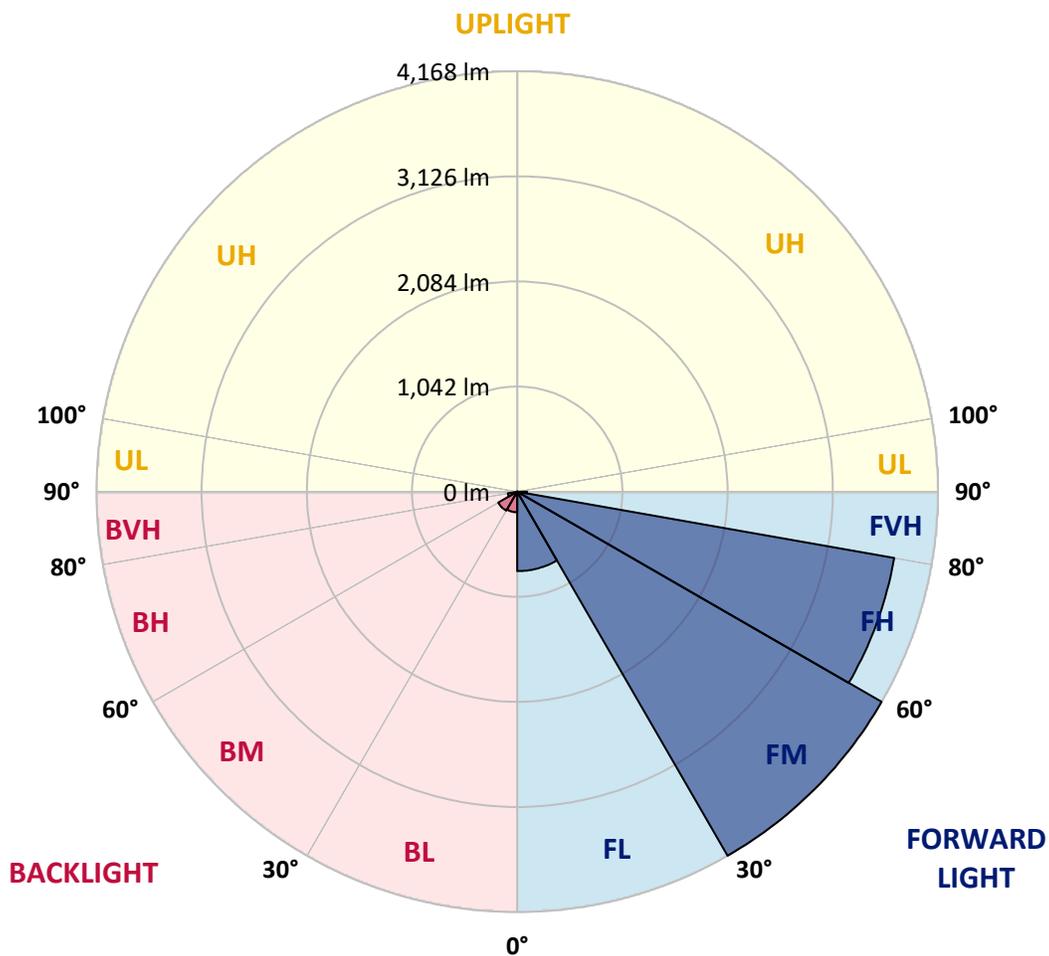
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	787.5	8.4			
FM (30°-60°)	4167.6	44.5			
FH (60°-80°)	3791.7	40.5			G2/5000
FVH (80°-90°)	96.9	1.0			G1/100
BL (0°-30°)	204.5	2.2	B1/500		
BM (30°-60°)	217.1	2.3	B0/220		
BH (60°-80°)	94.4	1.0	B0/110		G0/110
BVH (80°-90°)	5.1	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9
2.5°	1758.8	1773.4	1779.2	1754.5	1731.2	1713.8	1678.9	1657.1	1623.6	1582.9	1526.3
5°	2017.6	2016.1	2001.6	1982.7	1972.5	1917.3	1859.1	1835.9	1782.1	1680.3	1569.9
7.5°	2115.0	2123.7	2133.8	2122.2	2104.8	2075.7	2007.4	1989.9	1911.5	1779.2	1623.6
10°	2069.9	2084.4	2101.9	2132.4	2190.5	2200.7	2148.4	2129.5	2035.0	1889.6	1668.7
12.5°	1862.0	1883.8	1912.9	2011.7	2146.9	2231.2	2242.9	2237.1	2157.1	1988.5	1700.7
15°	1585.9	1562.6	1638.2	1774.8	1997.2	2190.5	2295.2	2299.6	2258.9	2081.5	1735.6
17.5°	1378.0	1399.8	1433.2	1536.4	1767.5	2045.2	2287.9	2315.5	2334.4	2180.4	1776.3
20°	1343.1	1344.6	1359.1	1415.8	1536.4	1870.8	2263.2	2328.6	2427.5	2277.8	1793.7
22.5°	1376.5	1367.8	1375.1	1386.7	1462.3	1693.4	2210.9	2317.0	2482.7	2398.4	1830.1
25°	1420.1	1430.3	1417.2	1402.7	1446.3	1613.5	2149.8	2258.9	2565.6	2506.0	1846.0
27.5°	1542.2	1548.1	1513.2	1460.8	1476.8	1577.1	2055.4	2212.3	2690.6	2626.6	1872.2
30°	1741.4	1735.6	1662.9	1577.1	1540.8	1600.4	1995.8	2161.5	2757.4	2719.6	1859.1
32.5°	1889.6	1878.0	1806.8	1718.1	1654.2	1689.1	1995.8	2167.3	2892.6	2882.4	1883.8
35°	2023.4	2013.2	1924.5	1853.3	1798.1	1830.1	2107.7	2261.8	3085.9	3184.8	1971.0
37.5°	2168.7	2141.1	2071.3	1947.8	1930.3	2053.9	2349.0	2476.9	3392.6	3465.3	1974.0
40°	2398.4	2375.1	2263.2	2135.3	2040.8	2221.1	2537.9	2660.0	3609.2	3690.6	1962.3
42.5°	2713.8	2658.6	2520.5	2334.4	2183.3	2311.2	2559.7	2686.2	3773.5	4040.9	2074.3
45°	3056.9	3040.9	2849.0	2609.2	2449.3	2433.3	2790.9	2930.4	4138.3	4606.4	2317.0
47.5°	3552.5	3427.5	3174.6	2918.8	2782.1	2674.6	3145.5	3357.8	4583.1	5267.8	2678.9
50°	4074.4	4001.7	3616.5	3263.3	3096.1	3056.9	3706.6	3898.5	5152.9	6012.0	3282.2
52.5°	4964.0	4796.8	4276.4	3831.6	3542.4	3504.6	4317.1	4562.8	5795.4	6900.1	3891.2
55°	5562.8	5459.6	4936.3	4600.6	4221.2	4106.4	5182.0	5450.9	6581.8	7674.9	4500.3
57.5°	5754.7	5628.2	5157.3	5075.9	4988.7	5054.1	6078.9	6302.7	7126.9	8279.6	5039.5
60°	4985.8	4981.4	4712.5	4924.7	5356.4	6112.3	7138.5	7237.4	7568.8	8650.2	5375.3
62.5°	3586.0	3574.3	3628.1	4154.3	4959.6	6828.9	8596.4	8486.0	7952.5	8856.6	5557.0
65°	1859.1	1867.8	2138.2	2831.6	3990.1	6773.7	9930.8	9791.3	8189.4	8730.2	5429.1
67.5°	907.0	899.8	1075.6	1646.9	2635.3	5783.8	10388.7	10454.1	8561.6	8266.5	4966.9
70°	452.1	457.9	585.8	869.2	1439.0	4154.3	9593.6	9871.2	8218.5	7279.5	4229.9
72.5°	318.3	322.7	398.3	516.0	673.0	2522.0	7962.7	8440.9	6859.4	5791.0	2981.3
75°	228.2	235.5	292.2	385.2	373.6	1266.1	6154.4	6437.9	4972.7	3575.8	1580.0
77.5°	165.7	175.9	228.2	296.5	258.7	532.0	4261.9	4254.6	2805.4	1699.2	639.6
80°	109.0	116.3	168.6	219.5	184.6	247.1	2497.2	2351.9	1241.4	651.2	232.6
82.5°	61.1	64.0	113.4	152.6	127.9	116.3	1116.3	1029.1	420.1	238.4	109.0
85°	4.4	7.3	66.9	95.9	68.3	58.1	312.5	283.4	135.2	109.0	58.1
87.5°	0.0	0.0	8.7	17.4	11.6	8.7	75.6	65.4	40.7	64.0	29.1
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°	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9
2.5°	1503.0	1462.3	1401.2	1341.7	1283.5	1231.2	1193.4	1155.6	1139.6	1103.3	1165.8
5°	1511.7	1439.0	1293.7	1152.7	1030.6	899.8	814.0	753.0	722.4	694.8	696.3
7.5°	1520.4	1410.0	1186.1	947.7	771.8	633.8	556.7	529.1	517.5	502.9	502.9
10°	1510.3	1363.5	1032.0	745.7	566.9	492.8	450.6	440.4	446.2	444.8	449.2
12.5°	1510.3	1308.2	875.1	581.4	465.1	421.5	409.9	408.5	417.2	423.0	425.9
15°	1491.4	1223.9	718.1	476.8	407.0	391.0	386.7	386.7	392.5	398.3	396.8
17.5°	1475.4	1139.6	587.2	409.9	372.1	367.8	364.8	361.9	369.2	375.0	376.5
20°	1436.1	1021.9	484.0	369.2	348.9	343.0	341.6	338.7	346.0	351.8	356.1
22.5°	1379.4	888.1	414.3	338.7	328.5	321.2	316.9	318.3	325.6	331.4	328.5
25°	1303.9	770.4	363.4	316.9	302.3	298.0	292.2	295.1	296.5	302.3	306.7
27.5°	1221.0	655.6	330.0	299.4	284.9	276.2	268.9	267.5	268.9	276.2	273.3
30°	1098.9	555.3	306.7	279.1	263.1	251.5	242.7	238.4	236.9	238.4	239.8
32.5°	1005.9	488.4	290.7	263.1	242.7	228.2	218.0	209.3	206.4	203.5	203.5
35°	946.3	452.1	274.7	241.3	222.4	207.9	191.9	181.7	175.9	173.0	174.4
37.5°	818.4	389.6	255.8	225.3	203.5	186.1	170.1	154.1	149.7	152.6	152.6
40°	710.8	334.3	238.4	206.4	181.7	165.7	148.3	129.4	126.5	135.2	136.6
42.5°	670.1	309.6	222.4	189.0	162.8	149.7	126.5	111.9	111.9	119.2	120.6
45°	719.5	302.3	207.9	173.0	146.8	132.3	109.0	95.9	95.9	103.2	104.7
47.5°	876.5	314.0	193.3	157.0	135.2	116.3	90.1	84.3	84.3	87.2	88.7
50°	1209.4	351.8	178.8	141.0	123.6	98.8	78.5	72.7	71.2	72.7	72.7
52.5°	1632.4	427.4	162.8	126.5	109.0	82.9	68.3	62.5	58.1	58.1	56.7
55°	2059.7	508.8	146.8	111.9	94.5	71.2	58.1	52.3	45.1	42.2	40.7
57.5°	2436.2	574.2	127.9	98.8	81.4	61.1	50.9	39.2	29.1	23.3	23.3
60°	2670.2	591.6	110.5	85.8	66.9	52.3	40.7	26.2	14.5	11.6	10.2
62.5°	2713.8	536.4	94.5	72.7	56.7	43.6	29.1	14.5	5.8	1.5	1.5
65°	2596.1	423.0	81.4	61.1	46.5	34.9	18.9	7.3	0.0	0.0	0.0
67.5°	2398.4	332.9	68.3	50.9	39.2	27.6	11.6	1.5	0.0	0.0	0.0
70°	2091.7	266.0	59.6	43.6	33.4	23.3	7.3	0.0	0.0	0.0	0.0
72.5°	1540.8	175.9	52.3	39.2	29.1	17.4	4.4	0.0	0.0	0.0	0.0
75°	843.1	111.9	48.0	36.3	27.6	14.5	2.9	0.0	0.0	0.0	0.0
77.5°	341.6	78.5	42.2	34.9	27.6	14.5	2.9	0.0	0.0	0.0	0.0
80°	129.4	55.2	36.3	30.5	26.2	14.5	2.9	0.0	0.0	0.0	0.0
82.5°	68.3	45.1	34.9	30.5	24.7	13.1	1.5	0.0	0.0	0.0	0.0
85°	33.4	14.5	17.4	17.4	20.4	11.6	1.5	0.0	0.0	0.0	0.0
87.5°	7.3	0.0	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)