

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: P1209557

Luminaire Tested: UPW-SA2-130-740-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-740-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11798 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

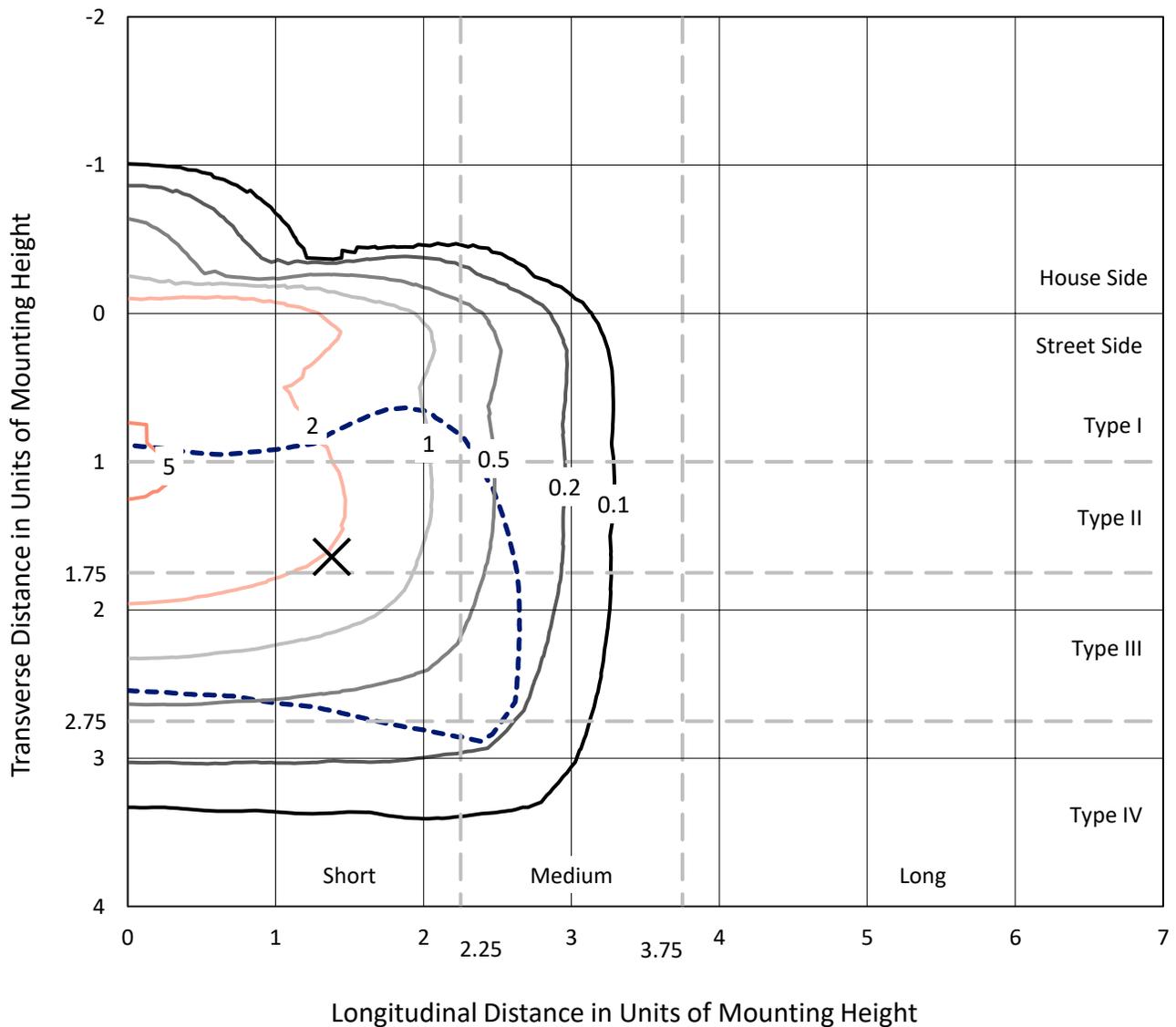
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

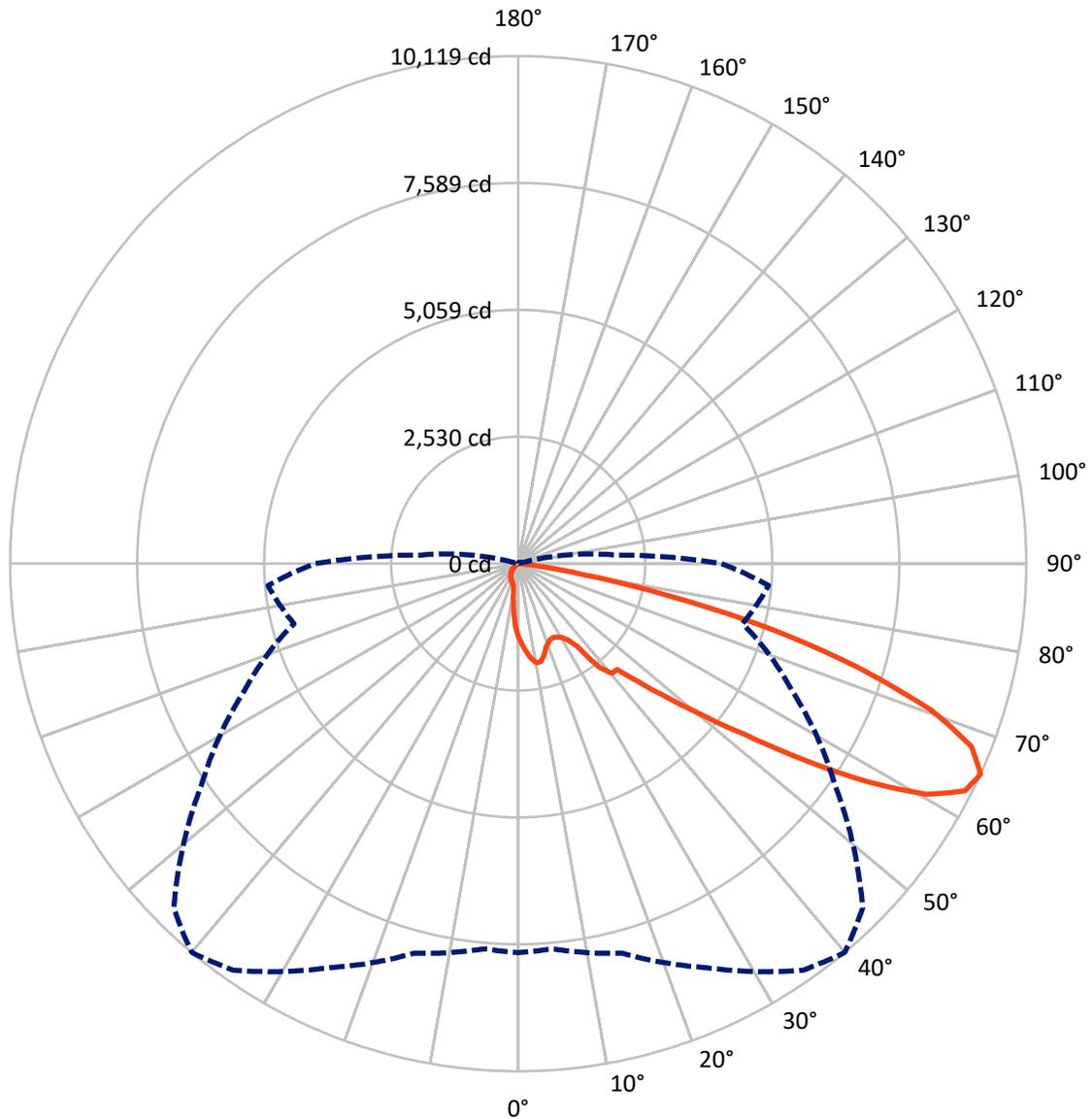
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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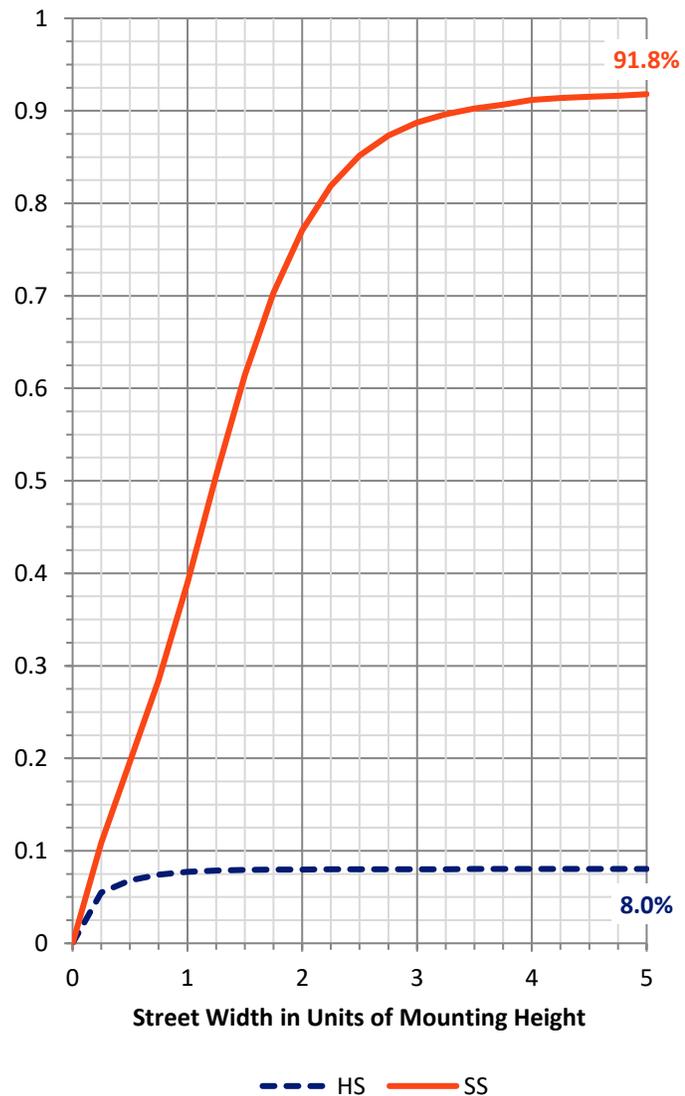
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	954.8	0.0	954.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	10843.2	0.0	10843.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	11798.0	0.0	11798.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	1.1
10°-20°	380.0	3.2
20°-30°	593.1	5.0
30°-40°	982.8	8.3
40°-50°	1666.6	14.1
50°-60°	2935.5	24.9
60°-70°	3656.3	31.0
70°-80°	1374.1	11.6
80°-90°	74.4	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°	11798.0	100.0
0°-180°	11798.0	100.0



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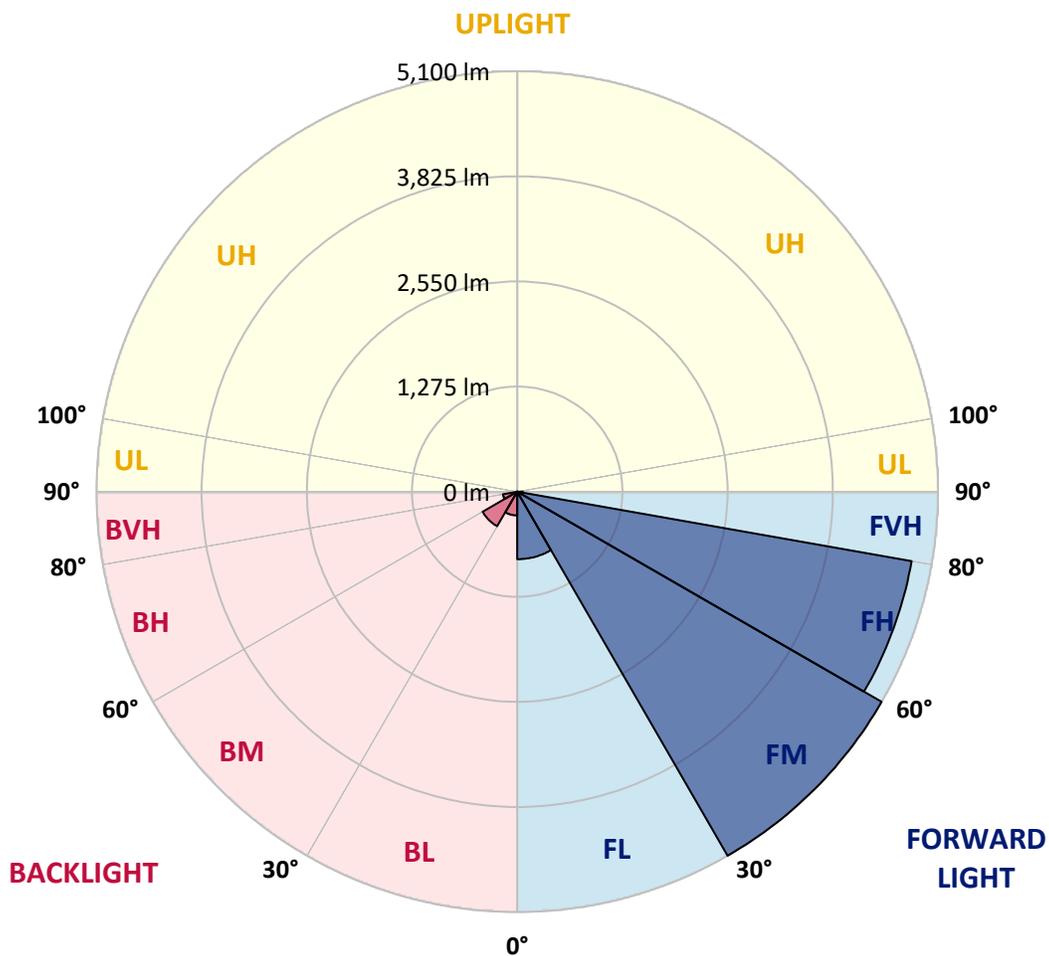
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	819.4	6.9			
FM	(30°-60°)	5100.1	43.2			
FH	(60°-80°)	4854.2	41.1			G2/5000
FVH	(80°-90°)	69.5	0.6			G1/100
BL	(0°-30°)	288.9	2.4	B1/500		
BM	(30°-60°)	484.8	4.1	B1/1000		
BH	(60°-80°)	176.2	1.5	B1/500		G1/500
BVH	(80°-90°)	4.8	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3
2.5°	1667.9	1654.0	1650.6	1643.6	1626.2	1624.5	1621.0	1589.8	1567.2	1544.6	1509.8
5°	1829.5	1819.1	1810.4	1808.7	1796.5	1780.9	1777.4	1734.0	1692.3	1645.4	1572.4
7.5°	1947.7	1937.2	1937.2	1937.2	1923.3	1918.1	1918.1	1873.0	1833.0	1761.8	1662.7
10°	1972.0	1965.0	1972.0	1989.4	2006.7	2013.7	2020.6	2010.2	1977.2	1899.0	1779.1
12.5°	1911.2	1904.2	1911.2	1937.2	1970.3	2003.3	2046.7	2102.3	2114.5	2060.6	1904.2
15°	1850.4	1841.7	1827.8	1822.6	1857.3	1907.7	1966.8	2117.9	2229.1	2213.5	2048.4
17.5°	1812.1	1810.4	1777.4	1732.2	1735.7	1773.9	1850.4	2055.4	2284.7	2350.8	2182.2
20°	1775.7	1770.5	1734.0	1669.7	1655.8	1690.5	1754.8	1968.5	2274.3	2477.6	2321.2
22.5°	1756.6	1749.6	1701.0	1624.5	1610.6	1641.9	1699.2	1874.7	2222.2	2552.3	2453.3
25°	1779.1	1773.9	1704.4	1615.8	1603.7	1629.7	1680.1	1824.3	2154.4	2580.1	2559.2
27.5°	1855.6	1845.2	1753.1	1647.1	1631.5	1655.8	1697.5	1806.9	2095.4	2569.7	2644.4
30°	2116.2	2076.2	1939.0	1740.9	1692.3	1707.9	1740.9	1829.5	2057.1	2555.8	2739.9
32.5°	2621.8	2600.9	2371.6	2012.0	1827.8	1813.9	1836.5	1899.0	2083.2	2628.7	2917.2
35°	3500.9	3474.9	3150.0	2578.4	2102.3	2025.9	2012.0	2065.8	2281.3	2647.9	2946.7
37.5°	4185.5	4161.2	3888.4	3459.2	2872.0	2623.5	2462.0	2439.4	2293.4	2559.2	2983.2
40°	4519.1	4477.4	4077.8	3499.2	3061.4	2875.5	2696.5	2331.6	2168.3	2507.1	3077.0
42.5°	5325.3	5210.6	4739.7	4015.2	3224.7	2884.2	2567.9	2182.2	2213.5	2561.0	3223.0
45°	6221.8	6228.7	5658.8	4696.3	3759.8	3353.3	2957.1	2361.2	2375.1	2698.2	3415.8
47.5°	7255.5	7135.7	6532.8	5559.8	4428.7	3968.3	3525.3	2672.2	2604.4	2918.9	3674.7
50°	8007.9	7931.4	7462.3	6544.9	5254.0	4731.0	4149.0	3139.6	2979.7	3172.6	3937.0
52.5°	8423.1	8405.7	8171.2	7436.2	6275.6	5667.5	4906.5	3686.8	3438.4	3452.3	4131.6
55°	8749.7	8702.8	8692.4	8332.8	7431.0	6895.9	5905.6	4430.5	4020.4	3725.1	4326.2
57.5°	9078.1	9024.3	9069.4	9005.2	8673.3	8212.9	7104.4	5238.4	4527.8	4015.2	4559.0
60°	9083.3	9029.5	9156.3	9427.3	9575.0	9337.0	8320.6	6121.0	5087.2	4312.3	4875.3
62.5°	8664.6	8610.8	8827.9	9392.6	10009.4	9979.9	9264.0	6967.1	5644.9	4609.4	5137.6
65°	7752.5	7709.0	8040.9	8887.0	9893.0	10118.9	9703.6	7702.1	6023.7	4623.3	5002.1
67.5°	5912.5	5990.7	6553.6	7721.2	9288.4	9741.8	9641.1	7894.9	5837.8	4202.9	4486.1
70°	3815.4	3957.9	4586.8	5964.6	7903.6	8713.3	8765.4	7008.8	4885.7	3417.5	3370.6
72.5°	2031.1	2057.1	2637.4	3858.9	6009.8	7073.1	7151.3	5276.6	3342.8	2270.8	1839.9
75°	889.6	960.8	1290.9	2170.1	4004.8	5182.8	4950.0	3162.1	1725.3	1039.0	712.4
77.5°	319.7	345.8	502.1	1061.6	2260.4	3033.6	2826.8	1502.9	696.7	460.4	208.5
80°	154.6	156.4	201.5	404.8	945.2	1278.8	1112.0	531.7	318.0	258.9	81.7
82.5°	52.1	64.3	114.7	159.8	351.0	436.1	321.4	198.1	189.4	196.3	57.3
85°	0.0	1.7	57.3	86.9	90.3	102.5	81.7	86.9	116.4	118.1	19.1
87.5°	0.0	0.0	0.0	17.4	19.1	19.1	10.4	20.8	48.6	57.3	3.5
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°	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3	1473.3
2.5°	1489.0	1468.1	1426.4	1391.7	1344.8	1311.8	1277.0	1261.4	1251.0	1207.5	1204.0
5°	1532.4	1485.5	1390.0	1285.7	1183.2	1082.4	986.9	933.0	886.1	867.0	844.4
7.5°	1596.7	1525.5	1356.9	1178.0	985.1	828.8	722.8	663.7	615.1	606.4	599.4
10°	1685.3	1577.6	1329.1	1039.0	767.9	620.3	533.4	495.2	479.5	476.1	470.8
12.5°	1782.6	1643.6	1297.9	877.4	601.2	476.1	439.6	439.6	448.3	451.7	451.7
15°	1907.7	1720.1	1238.8	733.2	483.0	417.0	415.2	422.2	430.9	434.4	436.1
17.5°	2017.2	1800.0	1164.1	601.2	415.2	396.1	399.6	404.8	413.5	420.5	420.5
20°	2135.3	1873.0	1087.6	495.2	382.2	377.0	380.5	387.4	397.9	403.1	404.8
22.5°	2239.6	1930.3	999.0	425.7	359.7	359.7	364.9	371.8	384.0	392.7	392.7
25°	2326.4	1975.5	903.5	378.8	338.8	340.5	345.8	356.2	368.3	377.0	378.8
27.5°	2394.2	1998.1	794.0	340.5	318.0	318.0	326.6	338.8	354.4	364.9	364.9
30°	2481.1	2032.8	710.6	312.7	295.4	295.4	302.3	318.0	338.8	352.7	352.7
32.5°	2611.4	2093.6	622.0	288.4	274.5	274.5	281.5	295.4	316.2	333.6	337.1
35°	2632.2	2065.8	531.7	269.3	255.4	253.7	257.1	269.3	286.7	298.8	304.1
37.5°	2665.2	2065.8	446.5	248.5	236.3	234.6	236.3	241.5	248.5	251.9	250.2
40°	2738.2	2079.7	375.3	231.1	218.9	215.4	213.7	212.0	205.0	196.3	194.6
42.5°	2852.9	2116.2	314.5	212.0	199.8	196.3	191.1	179.0	163.3	151.2	151.2
45°	2990.1	2149.2	264.1	196.3	182.4	179.0	163.3	144.2	125.1	116.4	116.4
47.5°	3158.7	2189.2	224.1	182.4	168.5	159.8	133.8	111.2	95.6	92.1	92.1
50°	3353.3	2213.5	189.4	166.8	154.6	139.0	106.0	86.9	74.7	73.0	73.0
52.5°	3488.8	2211.8	161.6	152.9	140.7	116.4	85.1	69.5	60.8	57.3	57.3
55°	3619.1	2187.4	135.5	135.5	121.6	93.8	69.5	57.3	48.6	45.2	43.4
57.5°	3777.2	2175.3	116.4	112.9	99.0	76.4	57.3	46.9	38.2	31.3	29.5
60°	4029.1	2196.1	97.3	90.3	78.2	60.8	46.9	36.5	27.8	19.1	17.4
62.5°	4197.7	2175.3	79.9	73.0	62.5	48.6	34.7	26.1	15.6	10.4	8.7
65°	4041.3	1942.5	67.8	59.1	50.4	38.2	26.1	17.4	6.9	1.7	0.0
67.5°	3494.0	1551.5	57.3	48.6	40.0	29.5	19.1	10.4	1.7	0.0	0.0
70°	2540.1	1045.9	50.4	40.0	31.3	24.3	13.9	5.2	0.0	0.0	0.0
72.5°	1329.1	491.7	45.2	36.5	27.8	19.1	10.4	3.5	0.0	0.0	0.0
75°	465.6	177.2	41.7	34.7	24.3	15.6	8.7	3.5	0.0	0.0	0.0
77.5°	145.9	79.9	41.7	36.5	26.1	15.6	8.7	3.5	0.0	0.0	0.0
80°	66.0	52.1	38.2	34.7	24.3	15.6	8.7	1.7	0.0	0.0	0.0
82.5°	46.9	41.7	36.5	31.3	22.6	13.9	6.9	1.7	0.0	0.0	0.0
85°	17.4	13.9	13.9	17.4	15.6	8.7	3.5	0.0	0.0	0.0	0.0
87.5°	1.7	1.7	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)