

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: P1209256

Luminaire Tested: UPW-SA2-110-730-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-730-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 1050mA 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: 9436 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 113
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



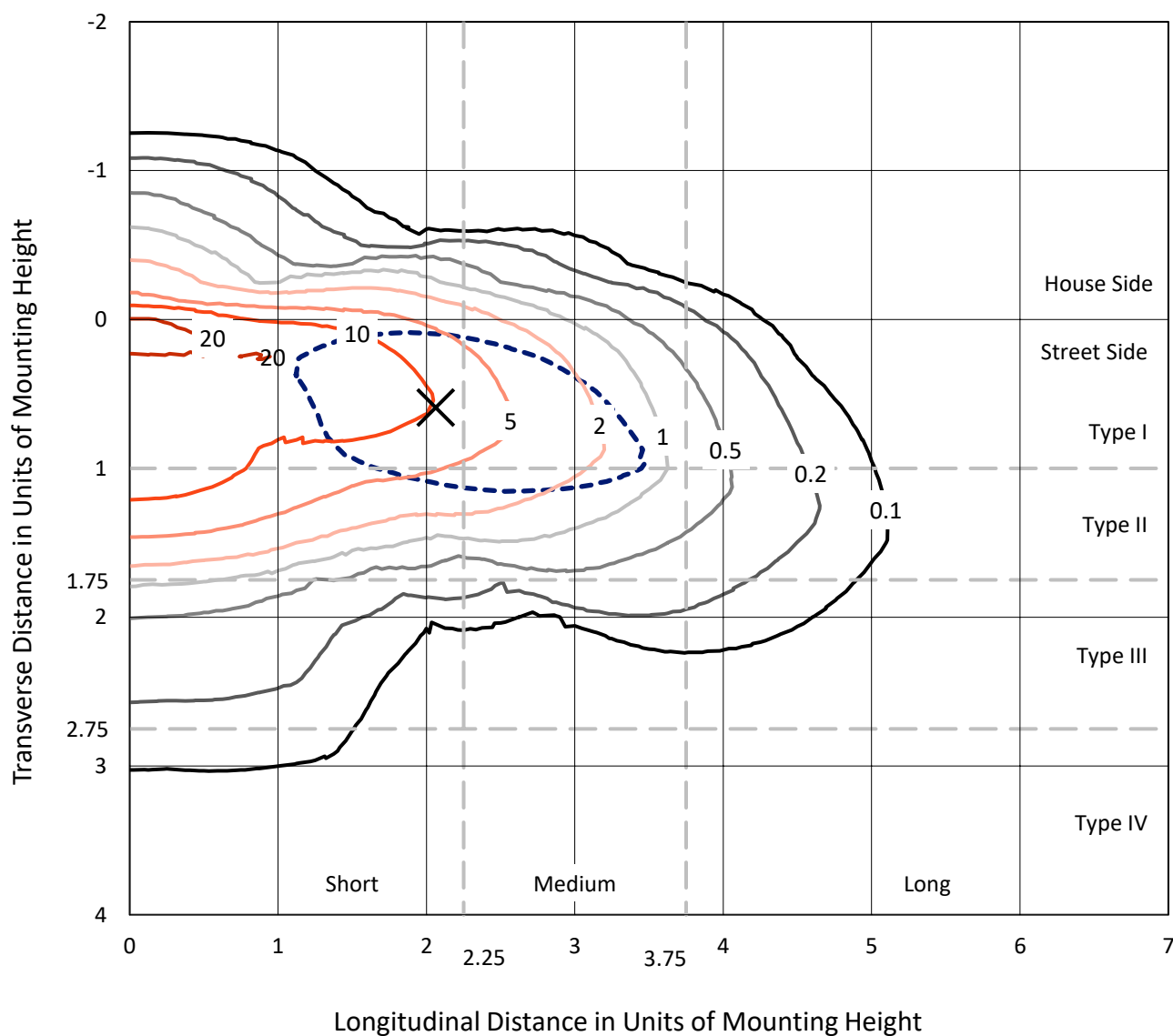
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



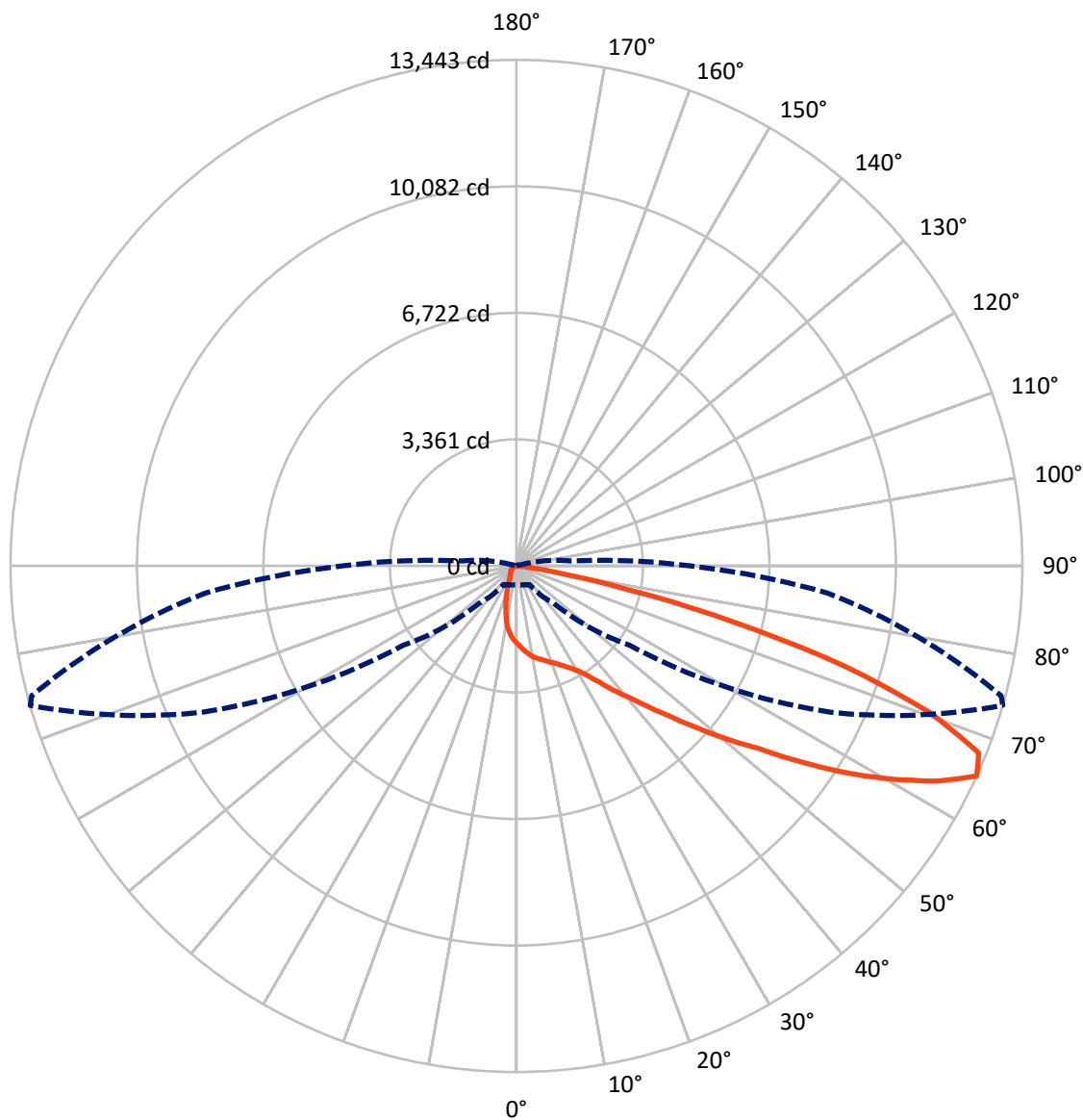
Based on 10 foot mounting height. Maximum calculated value = 25 fc

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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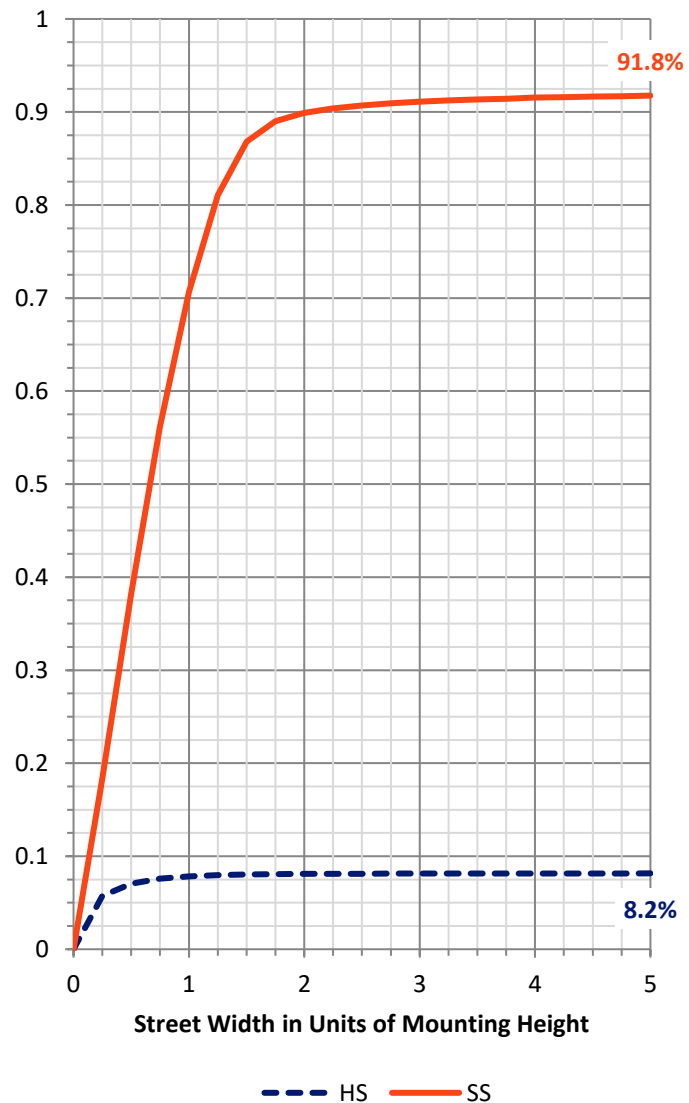
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	775.7	0.0	775.7
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	8660.3	0.0	8660.3
	% Fixture	91.8	0.0	91.8
Total	Lumens	9436.0	0.0	9436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	1.9
10°-20°	430.0	4.6
20°-30°	670.5	7.1
30°-40°	1058.3	11.2
40°-50°	1646.1	17.4
50°-60°	2379.5	25.2
60°-70°	2150.8	22.8
70°-80°	864.5	9.2
80°-90°	60.7	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°	9436.0	100.0
0°-180°	9436.0	100.0

Coefficient of Utilization



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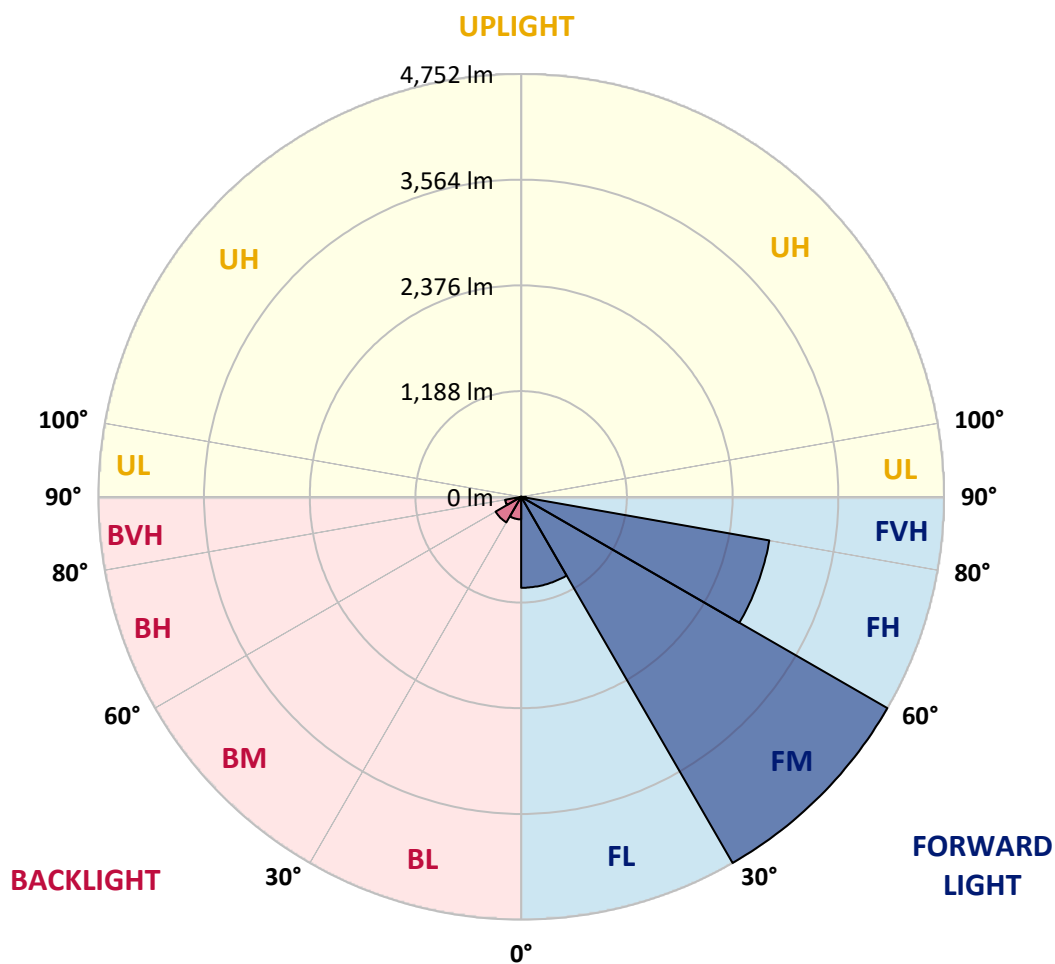
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1022.3	10.8			
FM	(30°-60°)	4752.1	50.4			
FH	(60°-80°)	2832.1	30.0			G2/5000
FVH	(80°-90°)	53.9	0.6			G1/100
BL	(0°-30°)	253.7	2.7	B1/500		
BM	(30°-60°)	331.9	3.5	B1/1000		
BH	(60°-80°)	183.3	1.9	B1/500		G1/500
BVH	(80°-90°)	6.8	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9
2.5°	2319.9	2311.2	2315.6	2296.8	2293.9	2275.2	2233.3	2191.5	2152.5	2142.4	2094.8
5°	2488.7	2484.4	2480.0	2477.2	2464.2	2449.7	2390.6	2334.3	2262.2	2249.2	2149.7
7.5°	2533.4	2529.1	2537.8	2552.2	2560.8	2553.6	2510.3	2455.5	2364.6	2350.2	2205.9
10°	2433.9	2429.5	2468.5	2524.8	2576.7	2614.2	2598.3	2549.3	2454.1	2439.6	2244.9
12.5°	2214.6	2208.8	2272.3	2387.7	2510.3	2617.1	2648.8	2615.7	2526.2	2510.3	2276.6
15°	2014.0	2005.4	2068.9	2185.7	2340.1	2546.4	2667.6	2677.7	2585.4	2575.3	2311.2
17.5°	1907.3	1908.7	1947.7	2044.3	2192.9	2418.0	2647.4	2735.4	2664.7	2651.7	2348.8
20°	1950.6	1953.4	1957.8	1995.3	2084.7	2305.5	2602.7	2797.4	2742.6	2728.2	2396.4
22.5°	2076.1	2083.3	2071.8	2051.6	2063.1	2223.2	2556.5	2865.2	2832.1	2817.6	2429.5
25°	2309.8	2301.1	2265.1	2184.3	2126.6	2198.7	2540.6	2943.2	2944.6	2927.3	2469.9
27.5°	2588.2	2565.2	2521.9	2393.5	2252.1	2239.1	2536.3	3026.8	3075.9	3051.4	2516.1
30°	2824.9	2813.3	2759.9	2641.6	2429.5	2332.9	2547.8	3107.6	3231.7	3218.7	2576.7
32.5°	2977.8	2974.9	2935.9	2856.6	2670.5	2484.4	2598.3	3217.3	3466.9	3423.6	2692.1
35°	3106.2	3093.2	3062.9	3011.0	2898.4	2690.7	2705.1	3393.3	3784.3	3771.3	2876.8
37.5°	3251.9	3236.0	3200.0	3135.0	3057.1	2934.5	2875.3	3621.2	4188.2	4182.5	3120.6
40°	3420.7	3410.6	3374.5	3288.0	3191.3	3117.7	3052.8	3856.4	4579.2	4538.8	3345.7
42.5°	3586.6	3589.5	3562.1	3472.6	3341.3	3241.8	3263.4	4095.9	5088.5	5068.3	3696.3
45°	3775.6	3765.5	3751.1	3686.2	3544.8	3339.9	3465.4	4427.7	5680.0	5730.5	4205.5
47.5°	3908.3	3905.5	3934.3	3885.3	3768.4	3497.2	3673.2	4838.9	6407.1	6454.7	4765.3
50°	3943.0	3938.6	4035.3	4075.7	4071.4	3801.6	3958.8	5359.7	7206.4	7199.2	5391.5
52.5°	3720.8	3730.9	3918.4	4133.4	4333.9	4270.5	4473.9	6076.8	8060.5	8085.0	5980.1
55°	3083.1	3146.6	3354.3	3852.1	4380.1	4748.0	5137.5	7063.6	9187.3	9122.3	6443.2
57.5°	1933.2	1900.1	2250.6	2972.0	3811.7	4784.1	5674.2	8054.7	10390.5	10308.3	7124.2
60°	985.4	942.1	1147.0	1657.7	2646.0	4020.9	5685.8	8918.9	11499.9	11407.6	7812.3
62.5°	603.1	595.8	637.7	809.4	1370.6	2712.3	4926.9	9441.2	12584.9	12511.3	8278.3
65°	507.8	506.4	522.3	549.7	607.4	1408.1	3676.1	9185.8	13443.3	13336.5	8305.8
67.5°	450.1	450.1	483.3	496.3	404.0	605.9	2255.0	8124.0	13242.8	13222.6	7727.2
70°	388.1	382.3	428.5	467.4	336.2	311.6	1161.4	6526.9	11634.1	11700.5	6581.7
72.5°	292.9	298.6	346.3	398.2	275.6	219.3	530.9	4567.7	9161.3	9193.0	5172.2
75°	220.7	226.5	268.3	326.1	222.2	165.9	292.9	2967.7	6000.3	6072.4	3021.1
77.5°	168.8	170.2	212.1	269.8	171.7	127.0	197.7	1649.0	3041.3	2976.3	1174.4
80°	116.9	121.2	165.9	209.2	137.1	95.2	132.7	714.1	1097.9	1012.8	365.0
82.5°	43.3	56.3	116.9	151.5	96.7	67.8	98.1	287.1	321.7	301.5	134.2
85°	7.2	7.2	63.5	111.1	51.9	40.4	62.0	99.5	105.3	111.1	69.3
87.5°	0.0	0.0	7.2	24.5	8.7	5.8	17.3	24.5	50.5	56.3	37.5
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°	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9
2.5°	2063.1	2032.8	1972.2	1920.3	1839.5	1768.8	1724.1	1689.4	1663.5	1633.2	1602.9
5°	2086.2	2015.5	1866.9	1699.5	1527.8	1373.5	1246.5	1131.1	1056.1	1047.4	1011.3
7.5°	2106.4	1993.8	1742.8	1445.6	1183.0	959.4	802.2	705.5	621.8	595.8	607.4
10°	2106.4	1956.3	1578.3	1170.0	854.1	626.1	510.7	447.2	424.2	414.1	405.4
12.5°	2100.6	1895.7	1372.0	911.8	594.4	455.9	404.0	380.9	367.9	362.1	359.2
15°	2091.9	1822.2	1168.6	681.0	454.5	391.0	365.0	347.7	336.2	330.4	326.1
17.5°	2086.2	1745.7	983.9	516.5	392.4	356.4	334.7	317.4	307.3	298.6	297.2
20°	2068.9	1656.2	805.0	424.2	356.4	326.1	303.0	287.1	277.0	266.9	266.9
22.5°	2041.5	1529.3	636.2	369.3	326.1	295.8	271.2	255.4	245.3	239.5	236.6
25°	2006.8	1403.8	505.0	337.6	297.2	264.0	242.4	226.5	217.9	215.0	212.1
27.5°	1967.9	1278.3	415.5	311.6	269.8	238.0	213.5	202.0	196.2	193.3	190.4
30°	1936.1	1164.3	360.7	290.0	243.8	212.1	190.4	180.3	176.0	174.6	171.7
32.5°	1939.0	1067.6	323.2	265.5	223.6	191.9	170.2	160.1	160.1	158.7	158.7
35°	1992.4	1007.0	297.2	243.8	202.0	171.7	152.9	144.3	147.2	147.2	145.7
37.5°	2050.1	946.4	272.7	220.7	183.2	152.9	134.2	129.8	131.3	132.7	132.7
40°	2125.1	901.7	252.5	199.1	164.5	137.1	121.2	116.9	116.9	116.9	115.4
42.5°	2295.4	897.4	235.2	180.3	147.2	121.2	109.6	103.9	101.0	99.5	96.7
45°	2534.9	929.1	223.6	163.0	129.8	109.6	99.5	92.3	83.7	79.3	77.9
47.5°	2843.6	1011.3	213.5	147.2	114.0	99.5	89.4	79.3	67.8	62.0	60.6
50°	3228.8	1139.8	203.4	134.2	102.4	89.4	77.9	64.9	53.4	47.6	47.6
52.5°	3589.5	1291.2	193.3	122.6	90.9	82.2	66.4	51.9	41.8	37.5	36.1
55°	3914.1	1461.5	181.8	109.6	82.2	72.1	54.8	40.4	30.3	26.0	24.5
57.5°	4305.1	1676.4	167.4	96.7	73.6	62.0	43.3	28.9	20.2	14.4	13.0
60°	4732.1	1784.6	148.6	85.1	63.5	51.9	33.2	20.2	11.5	5.8	5.8
62.5°	4870.6	1731.3	125.5	73.6	54.8	41.8	24.5	13.0	4.3	0.0	0.0
65°	4618.2	1483.1	106.8	64.9	47.6	31.7	17.3	7.2	0.0	0.0	0.0
67.5°	4036.7	1154.2	88.0	56.3	40.4	26.0	11.5	1.4	0.0	0.0	0.0
70°	3332.7	855.5	73.6	46.2	34.6	20.2	7.2	0.0	0.0	0.0	0.0
72.5°	2572.4	607.4	63.5	39.0	28.9	15.9	4.3	0.0	0.0	0.0	0.0
75°	1452.8	326.1	57.7	39.0	26.0	13.0	2.9	0.0	0.0	0.0	0.0
77.5°	600.2	150.0	50.5	39.0	26.0	14.4	4.3	0.0	0.0	0.0	0.0
80°	187.6	76.5	43.3	40.4	27.4	15.9	4.3	0.0	0.0	0.0	0.0
82.5°	88.0	59.2	44.7	37.5	24.5	14.4	4.3	0.0	0.0	0.0	0.0
85°	46.2	30.3	31.7	31.7	21.6	13.0	4.3	0.0	0.0	0.0	0.0
87.5°	13.0	1.4	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)