

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: P1208541

Luminaire Tested: UPW-SA1-070-730-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7860 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

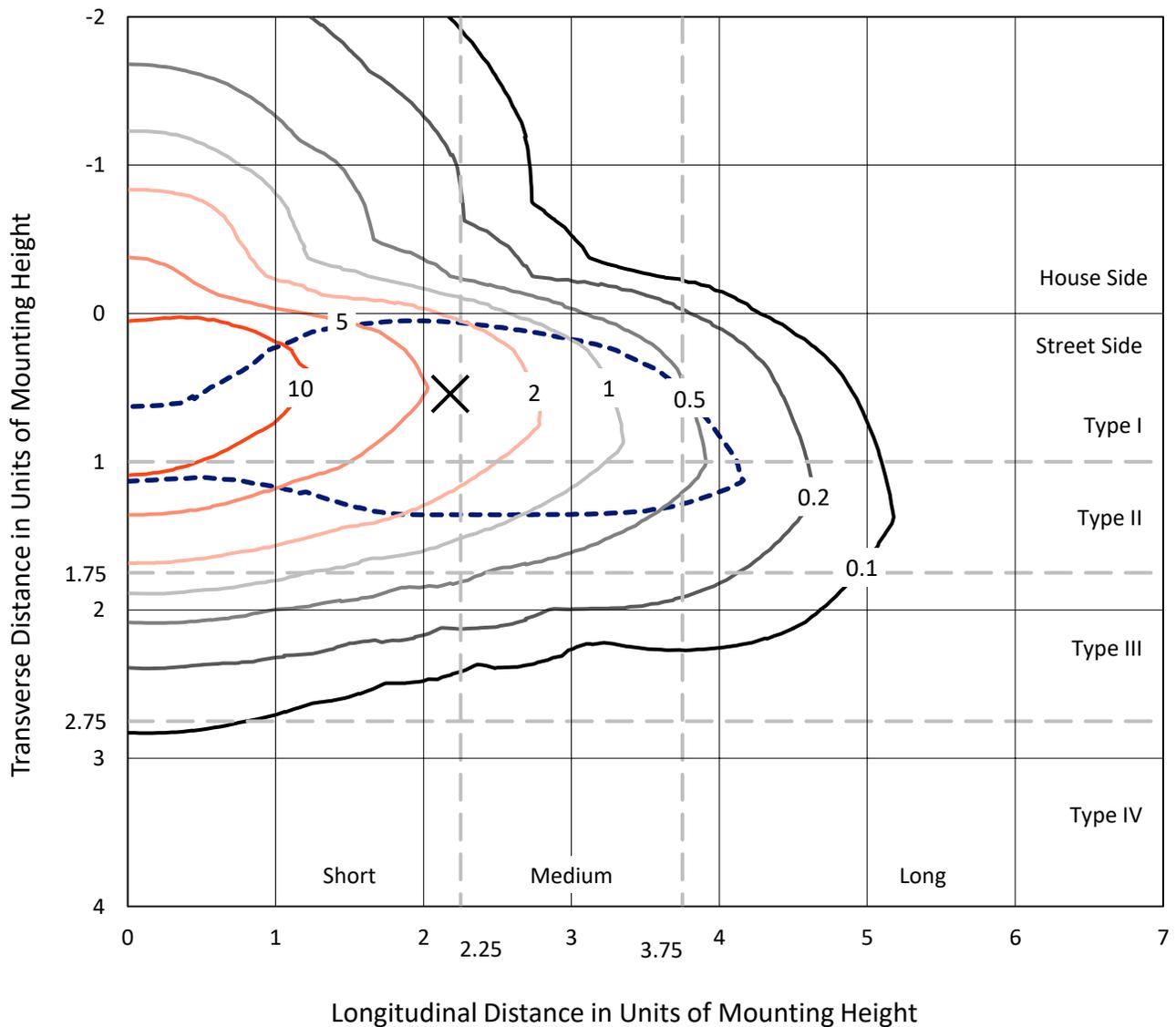
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

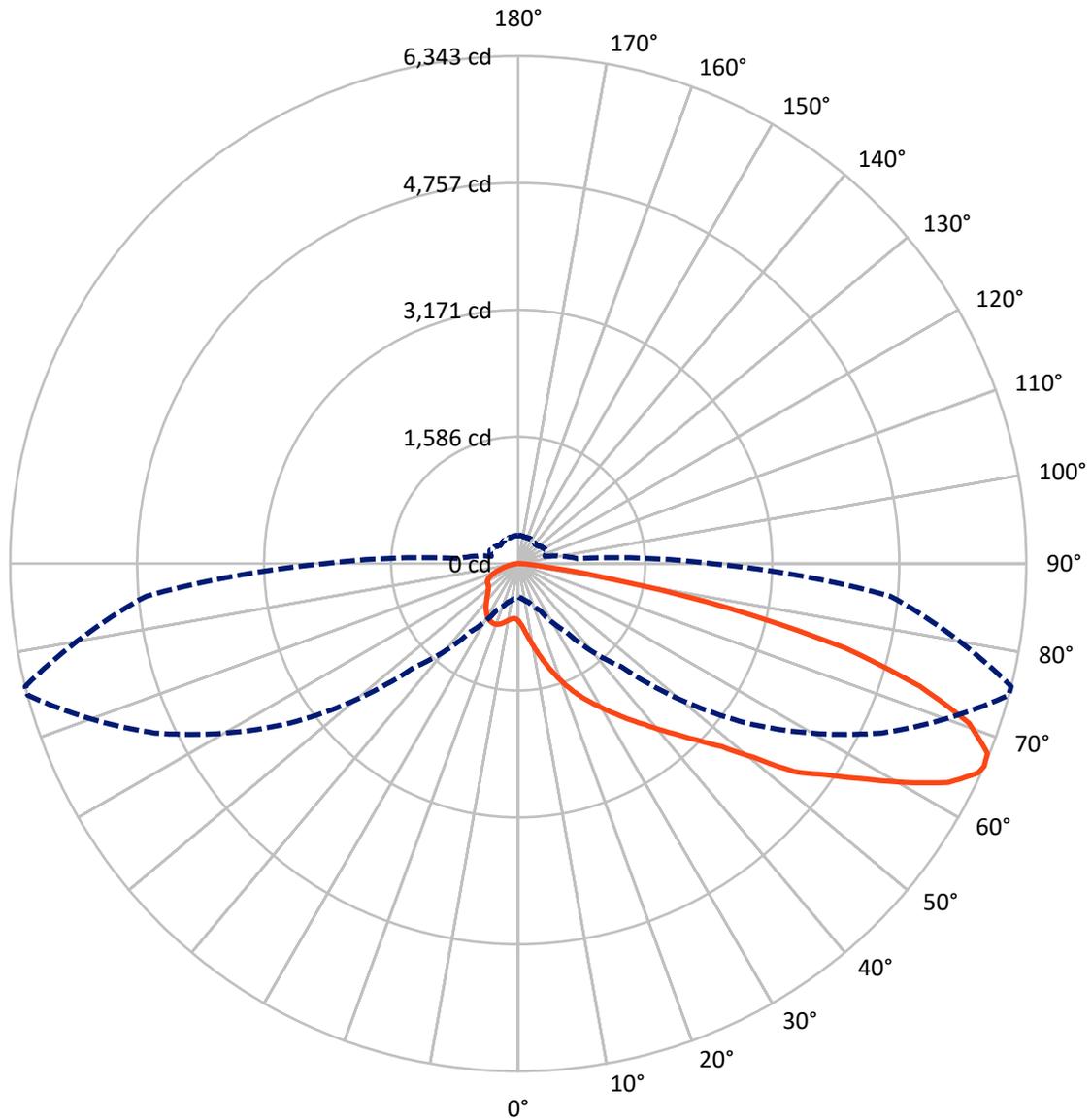
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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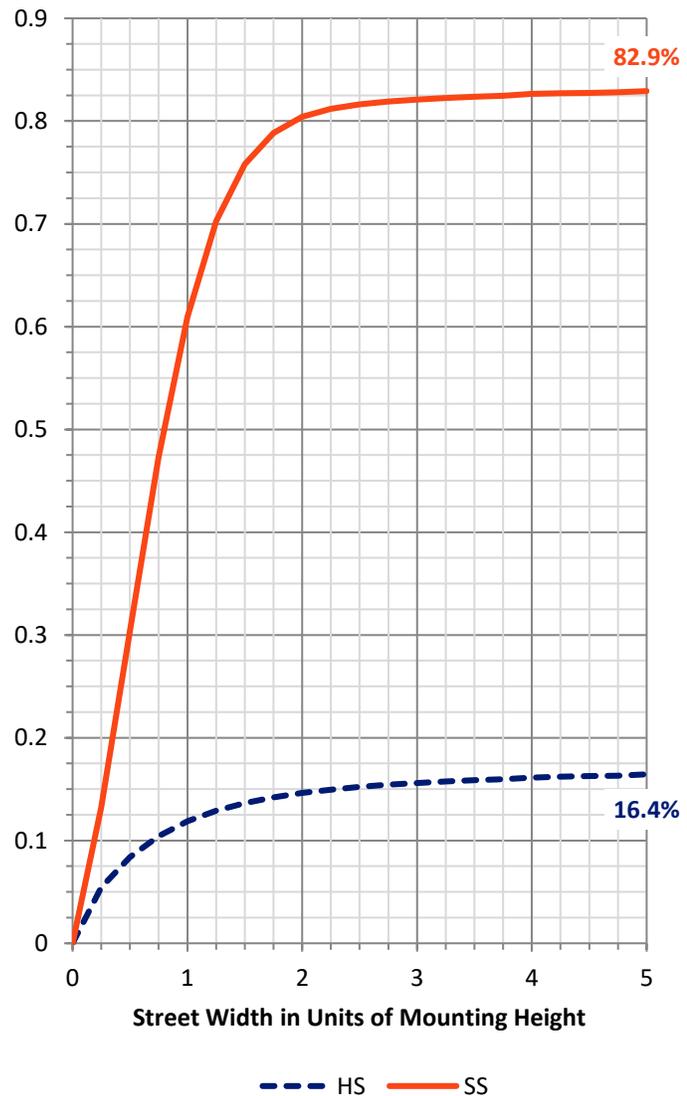
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1322.6	0.0	1322.6
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	6537.4	0.0	6537.4
	% Fixture	83.2	0.0	83.2
Total	Lumens	7860.0	0.0	7860.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	1.1
10°-20°	342.8	4.4
20°-30°	666.1	8.5
30°-40°	1087.2	13.8
40°-50°	1485.4	18.9
50°-60°	1730.2	22.0
60°-70°	1551.1	19.7
70°-80°	783.9	10.0
80°-90°	126.6	1.6
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°	7860.0	100.0
0°-180°	7860.0	100.0



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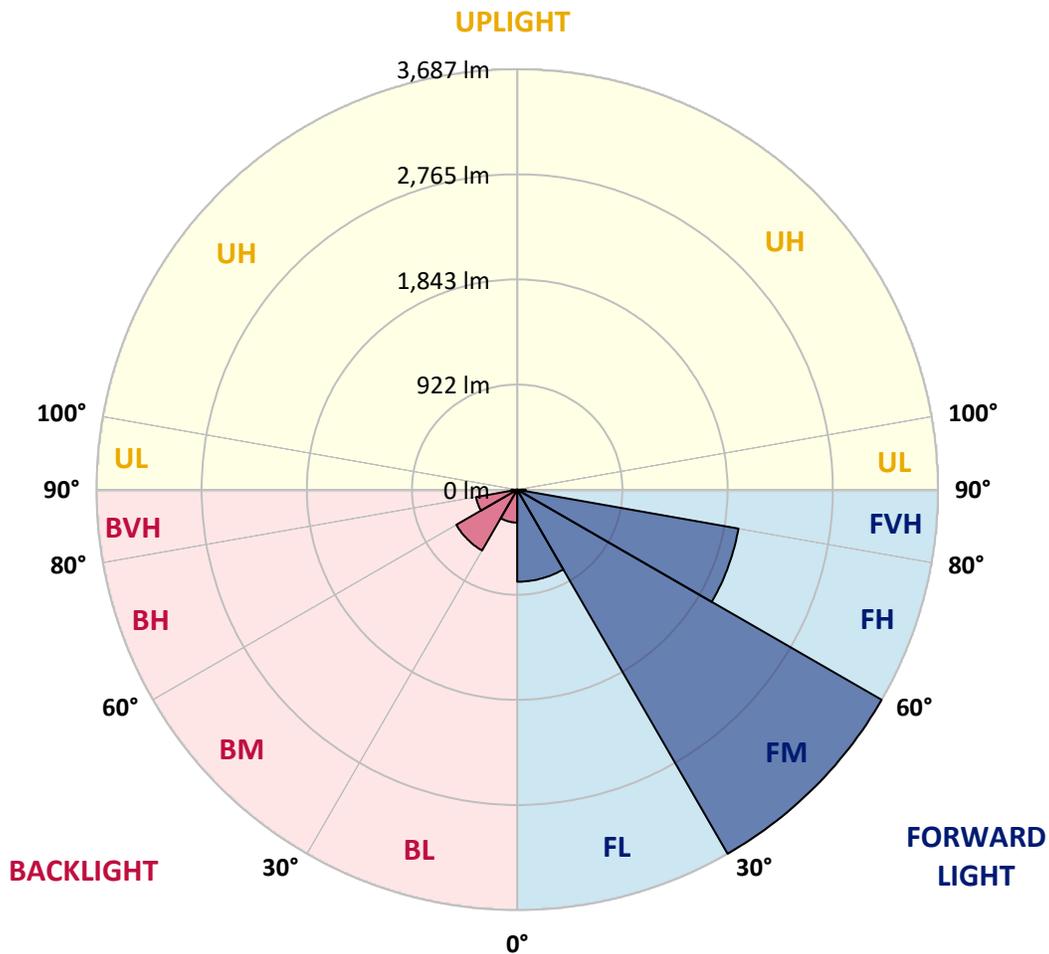
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	807.2	10.3			
FM	(30°-60°)	3686.9	46.9			
FH	(60°-80°)	1968.6	25.0			G2/5000
FVH	(80°-90°)	74.8	1.0			G1/100
BL	(0°-30°)	288.5	3.7	B1/500		
BM	(30°-60°)	615.9	7.8	B1/1000		
BH	(60°-80°)	366.4	4.7	B1/500		G1/500
BVH	(80°-90°)	51.8	0.7			G1/100
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°	75°	76°	85°
0°	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8
2.5°	952.9	938.5	937.1	916.1	911.3	871.0	841.3	810.4	775.2	768.2	740.5
5°	1224.0	1222.7	1204.2	1169.8	1142.9	1074.0	1006.0	933.9	855.0	842.1	779.7
7.5°	1467.9	1465.7	1451.6	1414.5	1375.6	1291.0	1193.8	1083.4	955.3	936.3	832.8
10°	1653.1	1652.3	1647.5	1620.2	1587.2	1506.0	1398.8	1248.0	1071.9	1046.0	899.2
12.5°	1796.1	1797.7	1800.9	1791.3	1775.5	1706.4	1596.5	1422.5	1196.2	1170.6	973.2
15°	1893.0	1897.8	1914.3	1927.9	1936.2	1893.8	1787.3	1601.0	1335.5	1304.8	1055.1
17.5°	1941.8	1947.1	1975.7	2016.8	2054.7	2050.4	1965.8	1771.3	1469.2	1439.6	1143.1
20°	1983.9	1987.9	2020.0	2069.3	2136.3	2165.9	2118.4	1935.1	1615.7	1580.5	1236.5
22.5°	2106.2	2111.2	2120.8	2148.8	2208.1	2262.5	2239.6	2090.1	1749.9	1717.1	1325.1
25°	2342.0	2348.2	2327.4	2303.6	2314.8	2352.7	2357.0	2231.6	1886.0	1848.9	1420.4
27.5°	2626.2	2635.0	2599.5	2538.4	2485.1	2470.4	2465.3	2347.4	2016.0	1973.0	1514.6
30°	2904.5	2919.7	2873.6	2794.3	2696.4	2627.6	2576.6	2460.8	2144.0	2103.0	1603.4
32.5°	3176.4	3170.3	3103.3	3025.9	2911.2	2825.0	2701.7	2582.5	2288.1	2240.9	1691.8
35°	3362.7	3364.8	3302.7	3210.9	3101.5	3035.3	2869.3	2713.7	2435.2	2391.7	1792.1
37.5°	3521.2	3511.3	3440.9	3355.2	3261.0	3232.7	3065.4	2858.4	2594.5	2547.0	1898.8
40°	3574.0	3562.6	3516.4	3454.8	3379.2	3376.8	3281.8	3022.2	2774.6	2727.6	2019.2
42.5°	3542.0	3527.3	3508.4	3491.6	3468.4	3479.0	3485.2	3214.3	2972.6	2920.0	2158.5
45°	3423.8	3401.7	3415.0	3451.6	3502.0	3562.3	3668.8	3427.0	3194.3	3150.3	2322.0
47.5°	3242.1	3222.1	3263.7	3341.9	3479.0	3631.7	3842.5	3661.8	3459.0	3415.3	2555.0
50°	2986.5	2992.3	3051.8	3194.1	3401.4	3663.7	4056.5	3972.7	3843.8	3803.0	2872.8
52.5°	2567.0	2568.1	2735.6	2969.1	3263.7	3647.1	4175.2	4370.0	4369.2	4319.8	3175.4
55°	2177.4	2201.1	2333.8	2644.1	3040.6	3581.0	4258.2	4563.2	4714.2	4656.3	3457.4
57.5°	1796.9	1810.8	1936.4	2248.1	2722.3	3404.6	4343.3	4795.1	5111.8	5075.3	3808.1
60°	1364.1	1385.4	1515.4	1803.3	2315.1	3091.6	4351.3	5037.1	5587.1	5550.2	4199.5
62.5°	885.4	922.2	1043.9	1313.6	1822.5	2641.4	4165.6	5195.3	6037.5	6024.4	4546.9
65°	508.9	536.6	621.2	829.3	1257.3	2076.3	3724.0	5134.5	6314.7	6307.3	4676.9
66°	415.7	433.1	497.9	648.2	1037.5	1823.3	3467.3	5006.2	6342.2	6342.5	4661.9
67.5°	332.5	340.2	369.3	464.0	765.6	1445.2	3008.6	4723.0	6308.1	6317.4	4565.6
70°	275.1	279.1	288.2	311.1	417.9	871.5	2135.5	3987.4	5965.2	5972.4	4189.6
72.5°	246.8	249.2	252.7	255.9	294.9	487.0	1304.3	3189.8	5230.0	5239.4	3616.7
75°	223.6	224.9	224.4	224.7	247.4	310.3	674.0	2381.5	4228.9	4210.2	2770.6
77.5°	196.4	197.7	195.1	195.6	218.8	238.6	335.4	1667.2	2853.8	2722.0	1561.0
80°	166.0	167.0	166.0	167.8	190.5	180.1	195.1	937.9	1261.9	1193.6	555.0
82.5°	125.4	130.0	133.2	140.6	156.9	128.1	130.5	365.3	384.2	365.8	170.2
85°	55.0	67.0	100.3	107.5	117.9	76.8	85.7	148.9	156.4	151.6	61.9
87.5°	14.4	15.7	49.6	62.4	65.4	34.7	44.6	67.8	71.5	67.8	20.5
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°	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8	717.8
2.5°	725.8	712.7	689.2	668.4	652.7	642.0	631.3	626.0	622.8	619.6	620.1
5°	749.0	722.6	682.3	653.8	637.7	627.6	622.3	620.1	618.8	615.6	615.6
7.5°	784.0	746.6	691.1	661.8	649.2	641.5	638.3	637.2	635.6	631.9	632.4
10°	828.0	775.7	709.5	681.0	669.5	661.0	656.4	654.8	651.9	647.6	648.2
12.5°	879.8	811.7	733.8	703.9	690.0	678.6	671.1	666.6	661.5	655.9	656.2
15°	936.3	850.9	760.0	724.5	705.5	689.5	677.5	669.8	661.8	654.8	654.6
17.5°	993.7	888.8	780.0	735.7	710.1	689.0	672.7	660.7	650.8	642.3	641.5
20°	1055.6	923.0	791.2	734.6	701.5	676.4	654.8	639.9	628.9	620.4	619.1
22.5°	1118.6	955.0	793.0	723.7	682.6	651.9	629.2	612.7	601.5	592.6	589.4
25°	1176.2	979.8	785.3	702.6	656.2	623.1	600.9	584.1	575.0	564.6	561.4
27.5°	1228.8	997.2	769.8	675.6	626.5	594.0	573.2	558.8	548.9	540.9	538.2
30°	1276.0	1006.5	744.5	643.6	596.1	566.5	548.9	539.0	530.5	520.3	518.5
32.5°	1320.9	1006.5	711.9	608.7	566.0	542.2	531.8	525.7	516.1	506.2	503.5
35°	1365.7	1000.4	673.5	572.1	538.2	524.9	524.3	517.1	502.5	489.1	485.6
37.5°	1412.9	987.8	630.3	537.9	515.5	517.1	521.7	505.7	484.8	465.9	460.8
40°	1466.3	970.5	585.4	508.3	496.6	513.7	514.5	489.1	448.6	431.2	426.7
42.5°	1529.0	953.1	543.8	482.2	481.6	503.3	500.9	453.4	429.1	420.3	417.9
45°	1611.4	943.3	504.3	457.4	469.9	486.4	477.6	433.6	423.5	418.4	416.3
47.5°	1741.4	948.3	468.0	437.6	458.2	469.6	434.4	425.6	418.4	412.3	410.1
50°	1904.2	945.4	438.7	424.0	444.8	452.0	414.9	415.2	411.5	404.5	401.3
52.5°	2026.6	922.5	419.7	416.3	433.1	420.8	402.7	405.1	403.2	393.1	389.6
55°	2144.8	902.7	410.1	413.3	424.5	381.8	388.2	394.1	392.3	382.4	380.8
57.5°	2291.9	899.0	404.3	414.1	417.3	362.4	374.4	382.1	380.8	376.5	375.7
60°	2472.0	900.0	398.9	415.5	409.3	348.0	361.3	371.2	372.0	371.2	370.6
62.5°	2571.0	871.0	385.6	411.7	395.2	335.4	347.7	362.1	362.4	364.0	363.7
65°	2486.9	784.0	360.8	398.7	371.4	325.0	335.9	351.7	347.7	354.9	354.9
66°	2405.3	733.8	348.5	390.1	361.3	321.0	332.2	346.4	341.3	351.2	351.2
67.5°	2238.5	649.2	326.3	372.0	346.9	315.4	327.9	337.6	330.6	345.3	344.2
70°	1933.8	502.2	281.8	330.9	323.1	307.1	322.1	319.9	309.8	332.2	327.9
72.5°	1630.4	381.6	226.3	277.0	287.1	296.7	313.8	297.5	284.7	300.5	291.1
75°	1265.1	286.9	178.8	215.3	242.6	280.4	303.9	271.6	253.2	251.6	246.6
77.5°	683.9	196.9	141.7	164.4	192.7	260.2	297.3	243.9	216.1	209.7	205.7
80°	270.8	128.1	103.0	124.6	134.8	230.8	281.2	211.6	178.2	171.8	165.7
82.5°	111.8	75.8	66.4	83.5	87.8	197.5	252.4	173.4	137.7	190.5	202.3
85°	48.0	41.6	39.5	43.2	49.6	138.5	200.9	132.4	148.6	132.6	105.4
87.5°	14.4	17.6	16.8	16.5	18.1	33.1	107.0	73.6	109.1	41.4	31.0
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)