

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P510960

Luminaire Tested: **USSL-P-C016-D-U-T4-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C016-D-U-T4-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 880mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6991 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

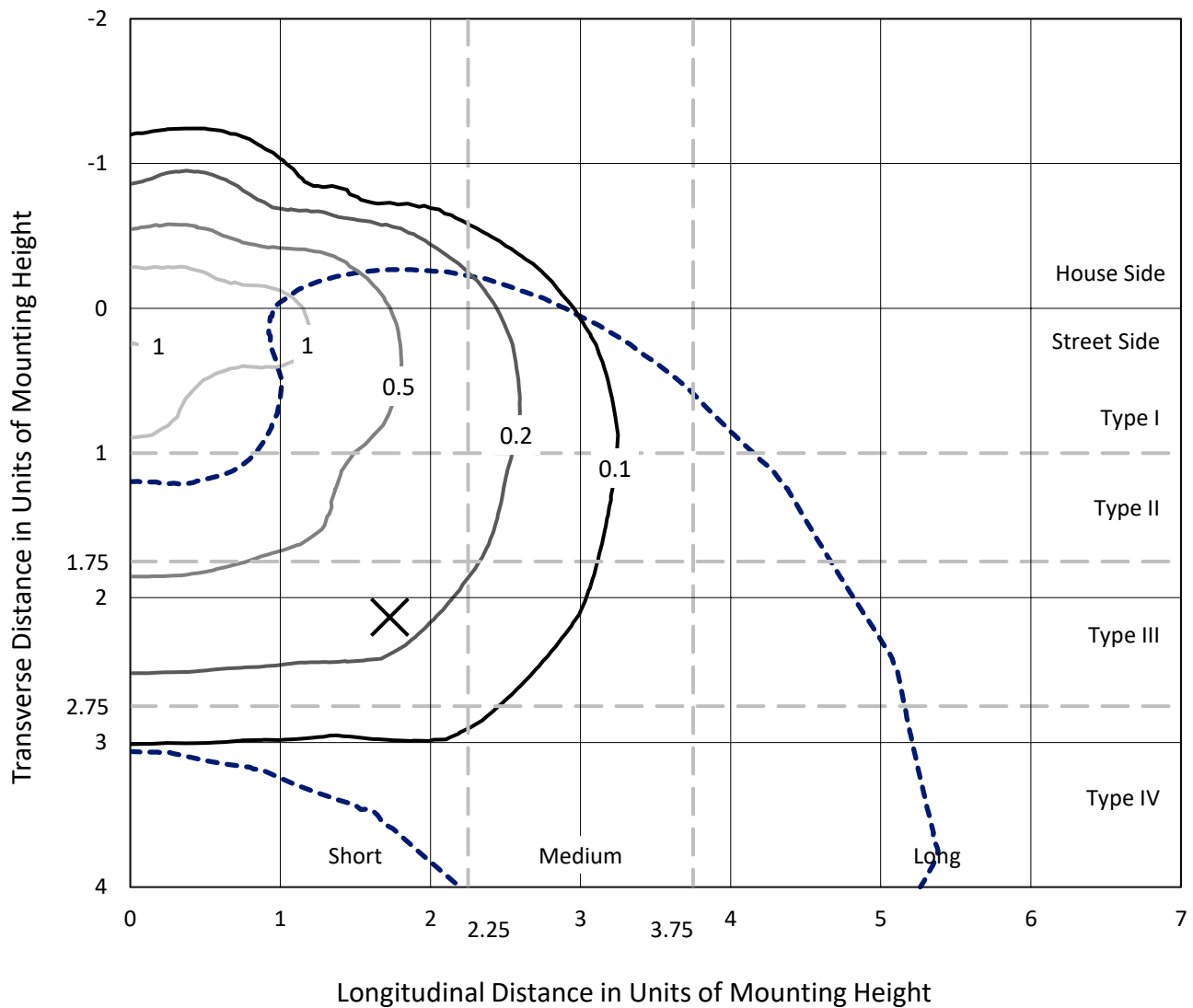
Input Watts (W): 49.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

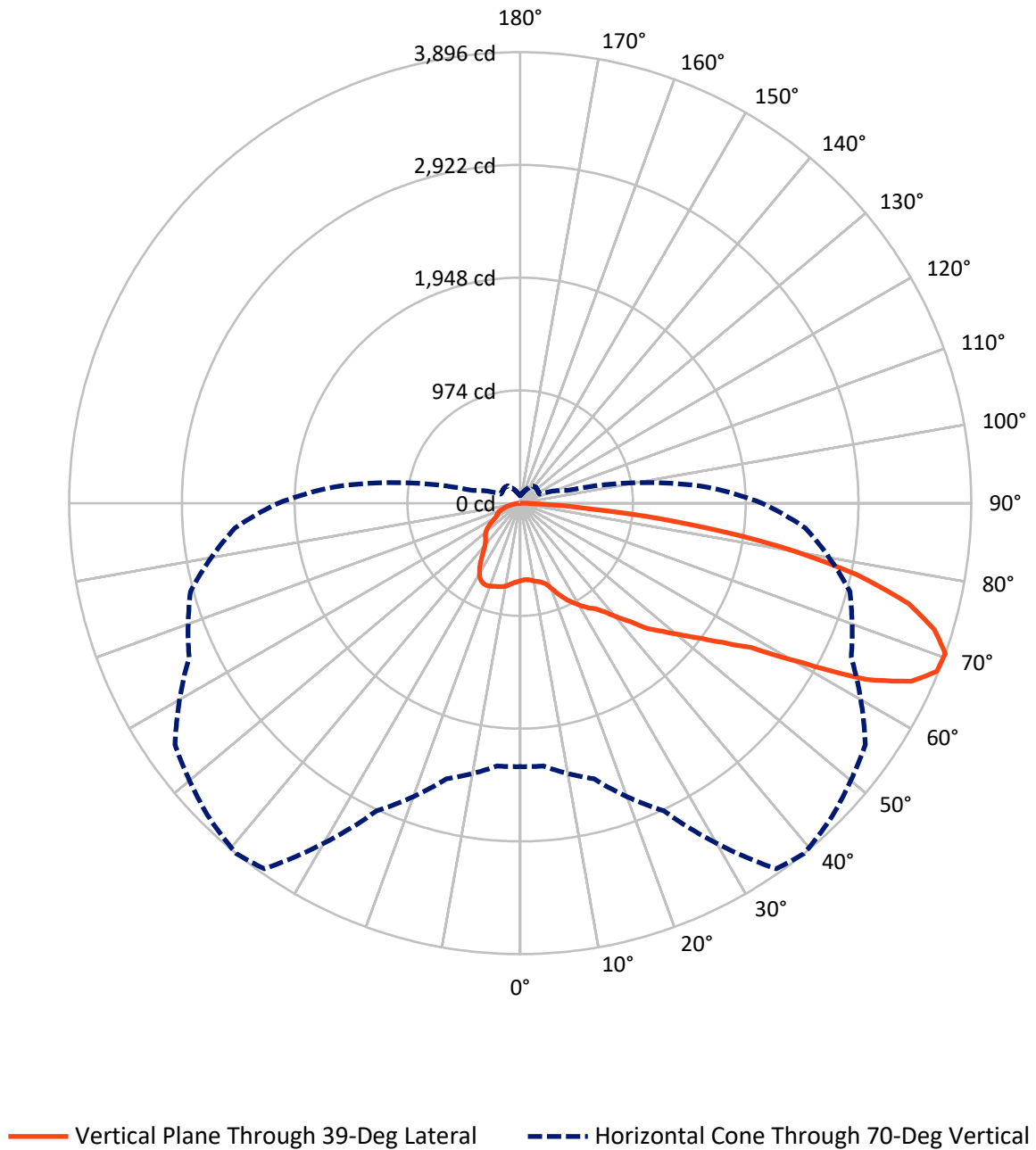
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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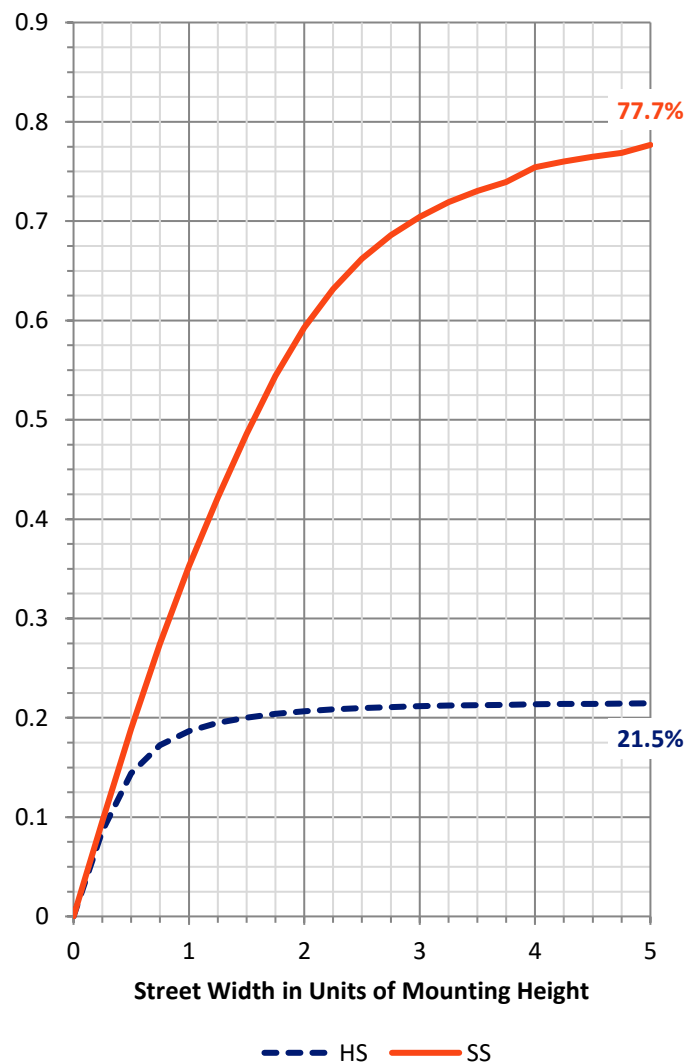
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1512.1	0.0	1512.1
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5478.9	0.0	5478.9
	% Fixture	78.4	0.0	78.4
Total	Lumens	6991.0	0.0	6991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	0.9
10°-20°	209.4	3.0
20°-30°	397.3	5.7
30°-40°	621.3	8.9
40°-50°	943.5	13.5
50°-60°	1381.7	19.8
60°-70°	1777.9	25.4
70°-80°	1351.5	19.3
80°-90°	243.0	3.5
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°	6991.0	100.0
0°-180°	6991.0	100.0

Coefficient of Utilization



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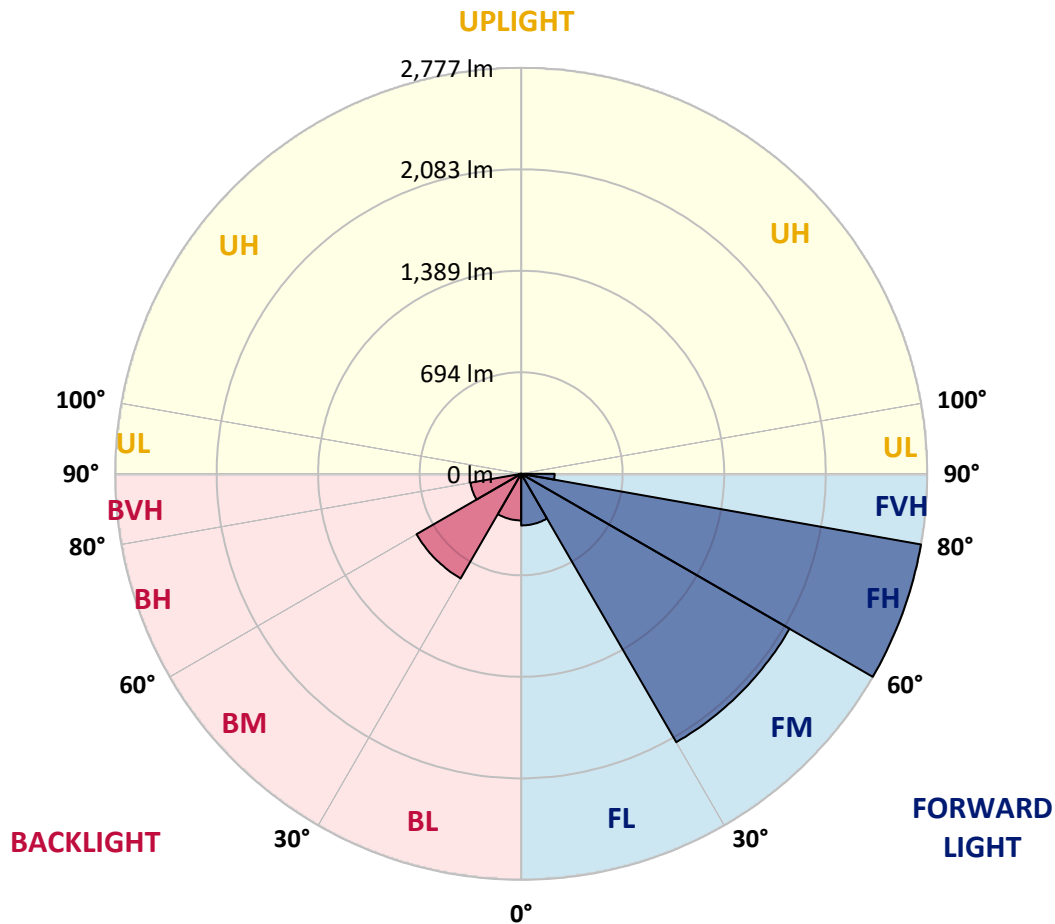
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	353.3	5.1			
FM	(30°-60°)	2119.9	30.3			
FH	(60°-80°)	2777.2	39.7			G2/5000
FVH	(80°-90°)	228.6	3.3			G3/500
BL	(0°-30°)	318.8	4.6	B1/500		
BM	(30°-60°)	826.6	11.8	B1/1000		
BH	(60°-80°)	352.3	5.0	B1/500		G1/500
BVH	(80°-90°)	14.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	669.0	669.0	669.0	669.0	669.0	669.0	669.0	669.0	669.0	669.0	669.0
2.5°	661.8	660.4	660.4	661.8	661.8	663.2	663.2	664.7	666.1	670.4	671.8
5°	658.9	660.4	660.4	661.8	663.2	663.2	663.2	664.7	664.7	669.0	670.4
7.5°	661.8	663.2	666.1	669.0	670.4	671.8	673.3	674.7	674.7	676.1	679.0
10°	666.1	669.0	670.4	676.1	683.3	684.7	687.6	691.9	693.3	694.8	697.6
12.5°	676.1	674.7	677.6	684.7	691.9	694.8	699.1	706.2	711.9	711.9	714.8
15°	684.7	686.2	689.0	696.2	704.8	710.5	716.2	724.8	732.0	736.3	739.2
17.5°	730.6	727.7	732.0	726.3	732.0	736.3	743.5	753.5	765.0	769.2	775.0
20°	799.3	802.2	795.0	796.5	792.2	790.7	787.9	789.3	800.8	813.7	823.7
22.5°	878.1	883.8	881.0	869.5	859.5	858.1	852.3	849.5	852.3	868.1	882.4
25°	948.3	949.7	948.3	934.0	922.5	919.7	919.7	925.4	926.8	932.6	945.4
27.5°	1001.3	1001.3	997.0	988.4	977.0	972.7	977.0	991.3	1004.2	1012.8	1027.1
30°	1042.9	1042.9	1038.6	1034.3	1030.0	1025.7	1028.5	1058.6	1088.7	1108.7	1141.7
32.5°	1127.4	1121.6	1111.6	1072.9	1077.2	1077.2	1080.1	1114.5	1166.0	1216.2	1262.0
35°	1211.9	1207.6	1196.1	1168.9	1121.6	1120.2	1136.0	1174.6	1240.5	1332.2	1411.0
37.5°	1319.3	1315.0	1302.1	1260.6	1216.2	1193.3	1180.4	1236.2	1329.4	1476.9	1587.2
40°	1444.0	1442.5	1419.6	1366.6	1309.3	1296.4	1266.3	1305.0	1436.8	1647.4	1769.1
42.5°	1538.5	1538.5	1521.3	1465.4	1422.5	1401.0	1382.4	1398.1	1564.3	1843.6	1941.0
45°	1604.4	1613.0	1601.5	1574.3	1548.5	1547.1	1531.3	1567.1	1729.0	2049.9	2105.8
47.5°	1686.0	1688.9	1664.6	1656.0	1651.7	1653.1	1676.0	1744.8	1892.3	2234.7	2250.4
50°	1918.1	1915.2	1823.6	1780.6	1757.7	1786.3	1825.0	1919.5	2087.1	2400.9	2375.1
52.5°	2206.0	2164.5	2011.2	1931.0	1913.8	1933.9	1982.6	2087.1	2313.5	2547.0	2473.9
55°	2505.4	2475.3	2373.6	2196.0	2097.2	2124.4	2150.2	2247.6	2524.1	2677.3	2562.7
57.5°	2698.8	2701.7	2695.9	2605.7	2386.5	2353.6	2355.0	2423.8	2700.2	2817.7	2638.7
60°	2857.8	2883.6	2953.8	2933.7	2893.6	2799.1	2624.3	2608.6	2863.6	2916.6	2695.9
62.5°	2942.3	2955.2	3069.8	3170.1	3344.9	3356.3	3154.3	2817.7	3016.8	2985.3	2723.2
65°	2863.6	2872.1	3026.9	3230.3	3650.0	3711.6	3641.4	3148.6	3132.9	3019.7	2710.3
67.5°	2604.3	2618.6	2780.5	3165.8	3834.8	3880.6	3821.9	3575.5	3180.1	3005.4	2634.4
70°	2276.2	2279.1	2465.3	2932.3	3856.3	3896.4	3817.6	3640.0	3155.8	2948.1	2473.9
72.5°	1842.2	1860.8	2052.8	2534.1	3703.0	3741.7	3694.4	3556.9	3099.9	2830.6	2177.4
75°	1415.3	1399.5	1582.9	2015.5	3316.2	3466.6	3448.0	3403.6	2952.4	2495.4	1693.2
77.5°	881.0	905.3	1083.0	1514.1	2728.9	2973.9	3094.2	3142.9	2561.3	1919.5	972.7
80°	408.3	419.7	617.4	1012.8	2019.8	2284.8	2515.5	2512.6	1892.3	1141.7	286.5
82.5°	128.9	134.7	247.8	573.0	1276.4	1436.8	1611.6	1462.6	657.5	140.4	45.8
85°	54.4	58.7	101.7	214.9	492.8	591.6	686.2	679.0	71.6	37.2	25.8
87.5°	30.1	31.5	38.7	57.3	75.9	80.2	88.8	78.8	15.8	15.8	8.6
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°	669.0	669.0	669.0	669.0	669.0	669.0	669.0	669.0	669.0	669.0	669.0
2.5°	671.8	671.8	674.7	677.6	677.6	679.0	679.0	679.0	679.0	676.1	674.7
5°	671.8	673.3	677.6	681.9	686.2	687.6	690.5	690.5	691.9	693.3	691.9
7.5°	681.9	684.7	690.5	697.6	701.9	704.8	707.7	709.1	709.1	710.5	710.5
10°	699.1	701.9	711.9	719.1	723.4	726.3	724.8	724.8	726.3	724.8	724.8
12.5°	716.2	720.5	732.0	742.0	742.0	737.7	734.9	732.0	730.6	729.1	727.7
15°	742.0	744.9	760.7	766.4	760.7	750.6	740.6	730.6	723.4	719.1	719.1
17.5°	780.7	787.9	805.1	799.3	785.0	763.5	743.5	722.0	704.8	694.8	694.8
20°	830.8	839.4	855.2	842.3	815.1	782.1	746.3	707.7	673.3	653.2	648.9
22.5°	891.0	903.9	909.6	883.8	843.7	799.3	746.3	693.3	638.9	593.1	583.0
25°	964.1	974.1	959.8	915.4	862.4	802.2	739.2	670.4	588.8	525.7	518.6
27.5°	1045.7	1045.7	1007.0	939.7	866.7	790.7	719.1	627.4	525.7	479.9	474.2
30°	1146.0	1124.5	1048.6	954.0	855.2	767.8	679.0	560.1	478.5	438.3	434.0
32.5°	1253.4	1209.0	1088.7	958.3	832.3	727.7	617.4	507.1	444.1	402.5	396.8
35°	1383.8	1313.6	1130.2	948.3	789.3	670.4	544.3	464.1	408.3	362.4	356.7
37.5°	1547.1	1446.8	1176.1	926.8	734.9	597.3	487.0	422.6	373.9	323.7	315.1
40°	1716.1	1600.1	1244.8	898.2	671.8	531.5	441.2	393.9	348.1	295.1	283.6
42.5°	1883.7	1744.8	1332.2	872.4	616.0	487.0	422.6	389.6	339.5	283.6	273.6
45°	2031.3	1872.3	1413.9	842.3	554.4	446.9	414.0	385.3	335.2	277.9	266.4
47.5°	2150.2	1989.7	1492.7	816.5	497.1	419.7	405.4	373.9	323.7	269.3	257.8
50°	2261.9	2085.7	1547.1	795.0	445.5	398.2	386.8	348.1	298.0	246.4	239.2
52.5°	2353.6	2161.6	1581.5	803.6	395.4	375.3	356.7	313.7	263.6	224.9	214.9
55°	2422.3	2204.6	1587.2	789.3	351.0	339.5	318.0	280.8	245.0	212.0	203.4
57.5°	2479.6	2224.7	1565.7	666.1	312.3	296.5	279.3	255.0	220.6	189.1	183.4
60°	2498.3	2223.2	1511.3	472.7	269.3	245.0	250.7	232.1	196.3	166.2	160.4
62.5°	2488.2	2188.8	1370.9	329.5	229.2	222.0	230.6	212.0	176.2	149.0	144.7
65°	2435.2	2102.9	1158.9	229.2	207.7	212.0	220.6	200.5	163.3	137.5	134.7
67.5°	2313.5	1936.7	848.0	197.7	197.7	204.8	209.1	183.4	113.2	80.2	74.5
70°	2090.0	1611.6	424.0	184.8	186.2	192.0	181.9	131.8	96.0	68.8	65.9
72.5°	1704.7	1136.0	150.4	170.5	171.9	164.7	147.5	116.0	83.1	60.2	55.9
75°	1107.3	555.8	130.4	159.0	149.0	139.0	130.4	97.4	70.2	43.0	40.1
77.5°	482.7	127.5	121.8	137.5	127.5	123.2	93.1	71.6	47.3	30.1	28.6
80°	81.7	75.9	114.6	101.7	101.7	75.9	57.3	43.0	28.6	18.6	17.2
82.5°	38.7	54.4	88.8	65.9	55.9	37.2	32.9	30.1	21.5	14.3	14.3
85°	28.6	43.0	34.4	30.1	21.5	21.5	24.4	17.2	14.3	7.2	7.2
87.5°	8.6	7.2	7.2	5.7	7.2	2.9	2.9	1.4	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)