

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: P510958

Luminaire Tested: **USSL-P-C016-D-U-T4-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510958
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-T4-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 880mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6740 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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



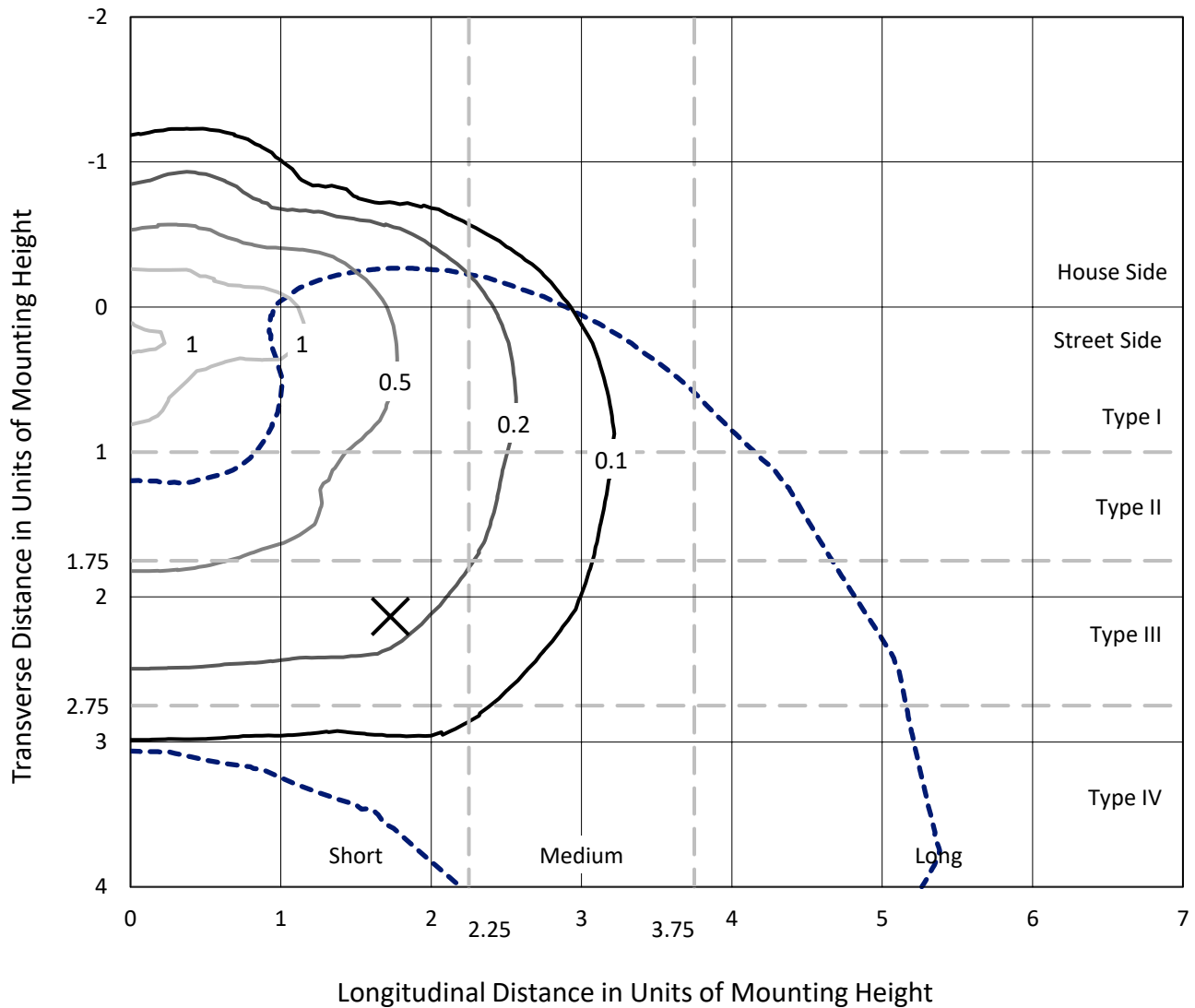
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

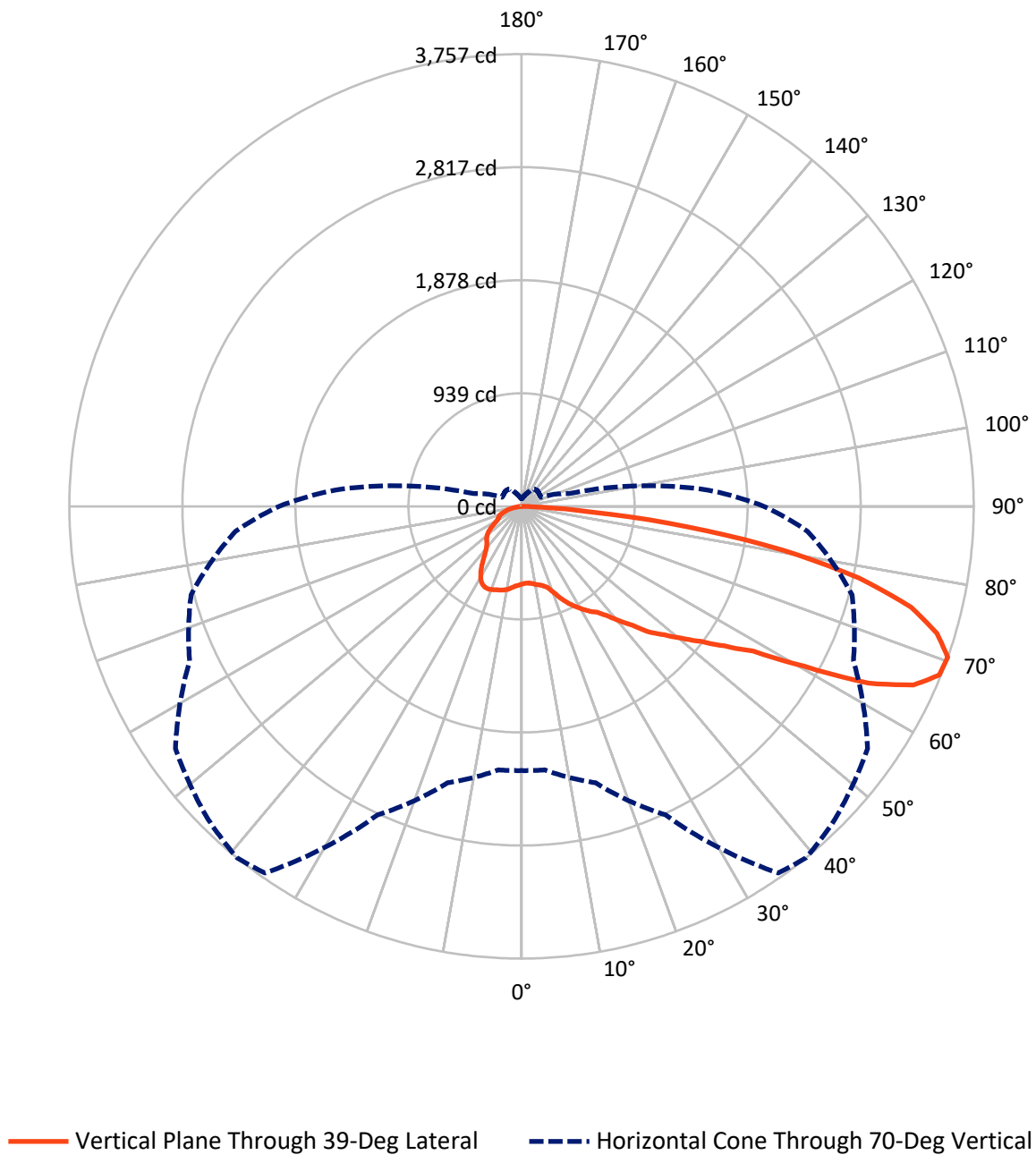
--- 1/2 Max cd



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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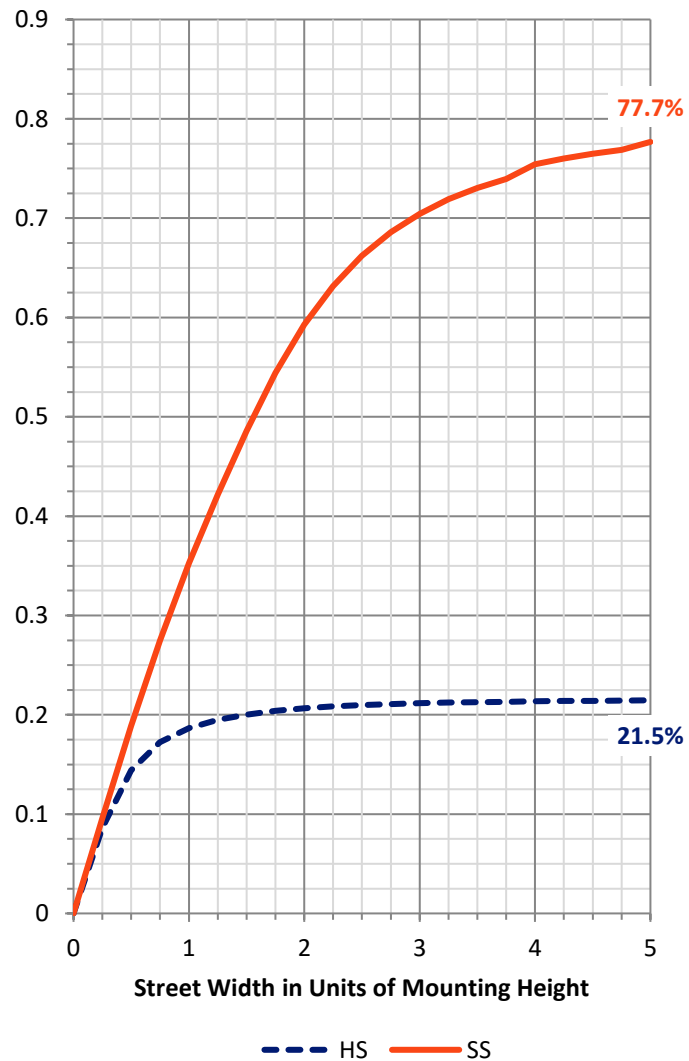
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1457.8	0.0	1457.8
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5282.2	0.0	5282.2
	% Fixture	78.4	0.0	78.4
Total	Lumens	6740.0	0.0	6740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	0.9
10°-20°	201.9	3.0
20°-30°	383.0	5.7
30°-40°	599.0	8.9
40°-50°	909.6	13.5
50°-60°	1332.1	19.8
60°-70°	1714.1	25.4
70°-80°	1303.0	19.3
80°-90°	234.2	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°	6740.0	100.0
0°-180°	6740.0	100.0

Coefficient of Utilization



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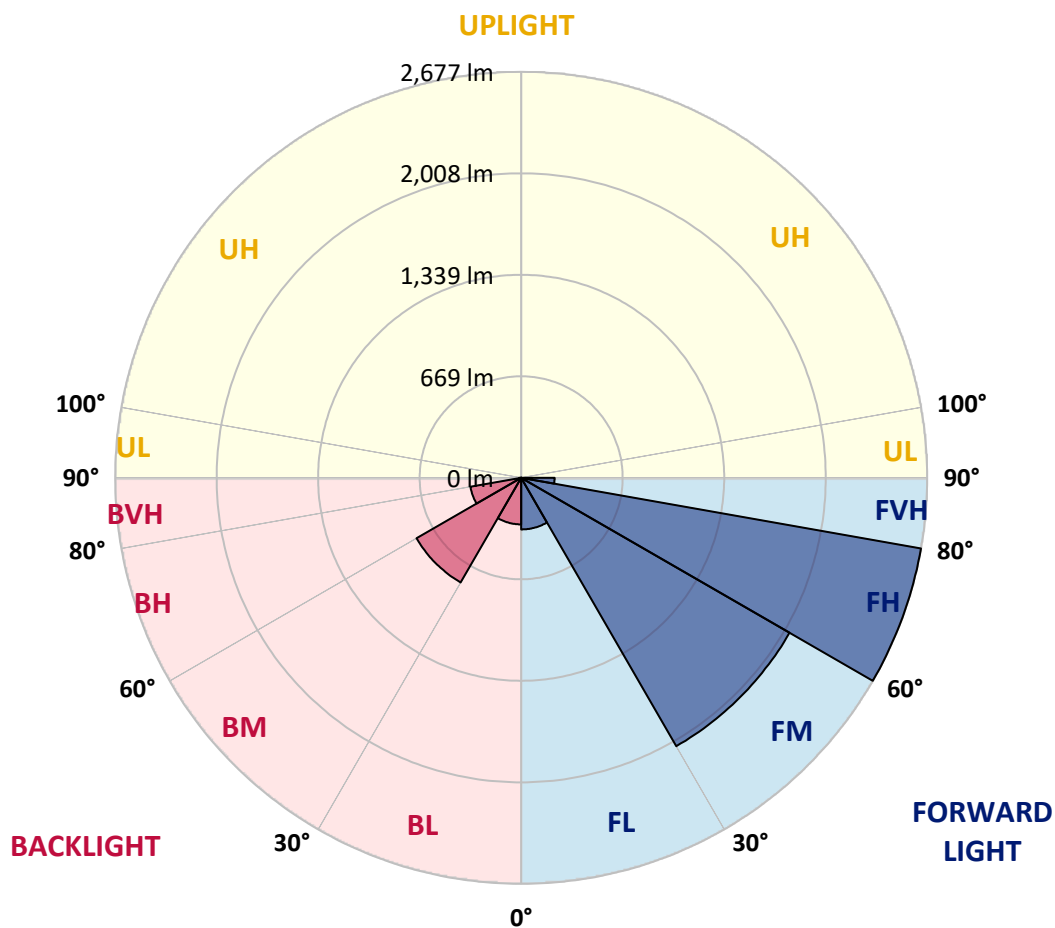
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	340.6	5.1			
FM	(30°-60°)	2043.8	30.3			
FH	(60°-80°)	2677.5	39.7			G2/5000
FVH	(80°-90°)	220.4	3.3			G2/225
BL	(0°-30°)	307.4	4.6	B1/500		
BM	(30°-60°)	796.9	11.8	B1/1000		
BH	(60°-80°)	339.6	5.0	B1/500		G1/500
BVH	(80°-90°)	13.8	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0
2.5°	638.1	636.7	636.7	638.1	638.1	639.4	639.4	640.8	642.2	646.3	647.7
5°	635.3	636.7	636.7	638.1	639.4	639.4	639.4	640.8	640.8	645.0	646.3
7.5°	638.1	639.4	642.2	645.0	646.3	647.7	649.1	650.5	650.5	651.9	654.6
10°	642.2	645.0	646.3	651.9	658.8	660.1	662.9	667.1	668.4	669.8	672.6
12.5°	651.9	650.5	653.2	660.1	667.1	669.8	674.0	680.9	686.4	686.4	689.1
15°	660.1	661.5	664.3	671.2	679.5	685.0	690.5	698.8	705.7	709.9	712.6
17.5°	704.3	701.6	705.7	700.2	705.7	709.9	716.8	726.4	737.5	741.6	747.2
20°	770.6	773.4	766.5	767.9	763.7	762.3	759.6	761.0	772.0	784.4	794.1
22.5°	846.6	852.1	849.4	838.3	828.6	827.3	821.7	819.0	821.7	836.9	850.7
25°	914.3	915.6	914.3	900.5	889.4	886.6	886.6	892.2	893.5	899.1	911.5
27.5°	965.4	965.4	961.2	952.9	941.9	937.7	941.9	955.7	968.1	976.4	990.2
30°	1005.4	1005.4	1001.3	997.1	993.0	988.8	991.6	1020.6	1049.6	1068.9	1100.7
32.5°	1086.9	1081.4	1071.7	1034.4	1038.6	1038.6	1041.3	1074.5	1124.2	1172.5	1216.7
35°	1168.4	1164.2	1153.2	1126.9	1081.4	1080.0	1095.2	1132.5	1196.0	1284.4	1360.3
37.5°	1272.0	1267.8	1255.4	1215.3	1172.5	1150.4	1138.0	1191.9	1281.6	1423.9	1530.2
40°	1392.1	1390.7	1368.6	1317.5	1262.3	1249.9	1220.9	1258.1	1385.2	1588.2	1705.6
42.5°	1483.3	1483.3	1466.7	1412.8	1371.4	1350.7	1332.7	1347.9	1508.1	1777.4	1871.3
45°	1546.8	1555.1	1544.0	1517.8	1492.9	1491.5	1476.4	1510.9	1666.9	1976.3	2030.2
47.5°	1625.5	1628.3	1604.8	1596.5	1592.4	1593.7	1615.8	1682.1	1824.4	2154.5	2169.6
50°	1849.2	1846.5	1758.1	1716.7	1694.6	1722.2	1759.5	1850.6	2012.2	2314.7	2289.8
52.5°	2126.8	2086.8	1939.0	1861.7	1845.1	1864.4	1911.4	2012.2	2230.4	2455.5	2385.1
55°	2415.5	2386.5	2288.4	2117.2	2021.9	2048.1	2073.0	2166.9	2433.4	2581.2	2470.7
57.5°	2601.9	2604.7	2599.2	2512.1	2300.8	2269.1	2270.5	2336.8	2603.3	2716.5	2543.9
60°	2755.2	2780.1	2847.7	2828.4	2789.7	2698.6	2530.1	2514.9	2760.7	2811.8	2599.2
62.5°	2836.7	2849.1	2959.6	3056.3	3224.8	3235.8	3041.1	2716.5	2908.5	2878.1	2625.4
65°	2760.7	2769.0	2918.2	3114.3	3518.9	3578.3	3510.7	3035.6	3020.4	2911.3	2613.0
67.5°	2510.8	2524.6	2680.6	3052.1	3697.1	3741.3	3684.7	3447.1	3066.0	2897.5	2539.8
70°	2194.5	2197.3	2376.8	2827.0	3717.8	3756.5	3680.5	3509.3	3042.5	2842.2	2385.1
72.5°	1776.0	1794.0	1979.1	2443.1	3570.0	3607.3	3561.8	3429.2	2988.6	2729.0	2099.2
75°	1364.5	1349.3	1526.1	1943.2	3197.2	3342.2	3324.2	3281.4	2846.4	2405.8	1632.4
77.5°	849.4	872.8	1044.1	1459.8	2630.9	2867.1	2983.1	3030.0	2469.3	1850.6	937.7
80°	393.6	404.7	595.2	976.4	1947.3	2202.8	2425.1	2422.4	1824.4	1100.7	276.2
82.5°	124.3	129.8	238.9	552.4	1230.5	1385.2	1553.7	1410.1	633.9	135.3	44.2
85°	52.5	56.6	98.1	207.2	475.1	570.4	661.5	654.6	69.1	35.9	24.9
87.5°	29.0	30.4	37.3	55.2	73.2	77.3	85.6	76.0	15.2	15.2	8.3
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°	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0
2.5°	647.7	647.7	650.5	653.2	653.2	654.6	654.6	654.6	654.6	651.9	650.5
5°	647.7	649.1	653.2	657.4	661.5	662.9	665.7	665.7	667.1	668.4	667.1
7.5°	657.4	660.1	665.7	672.6	676.7	679.5	682.2	683.6	683.6	685.0	685.0
10°	674.0	676.7	686.4	693.3	697.4	700.2	698.8	698.8	700.2	698.8	698.8
12.5°	690.5	694.7	705.7	715.4	715.4	711.2	708.5	705.7	704.3	703.0	701.6
15°	715.4	718.2	733.3	738.9	733.3	723.7	714.0	704.3	697.4	693.3	693.3
17.5°	752.7	759.6	776.2	770.6	756.8	736.1	716.8	696.1	679.5	669.8	669.8
20°	801.0	809.3	824.5	812.1	785.8	754.1	719.5	682.2	649.1	629.8	625.6
22.5°	859.0	871.4	877.0	852.1	813.4	770.6	719.5	668.4	616.0	571.8	562.1
25°	929.5	939.1	925.3	882.5	831.4	773.4	712.6	646.3	567.6	506.8	499.9
27.5°	1008.2	1008.2	970.9	906.0	835.5	762.3	693.3	604.9	506.8	462.7	457.1
30°	1104.8	1084.1	1010.9	919.8	824.5	740.2	654.6	540.0	461.3	422.6	418.5
32.5°	1208.4	1165.6	1049.6	923.9	802.4	701.6	595.2	488.9	428.1	388.1	382.6
35°	1334.1	1266.4	1089.7	914.3	761.0	646.3	524.8	447.5	393.6	349.4	343.9
37.5°	1491.5	1394.9	1133.9	893.5	708.5	575.9	469.6	407.4	360.5	312.1	303.8
40°	1654.5	1542.6	1200.1	865.9	647.7	512.4	425.4	379.8	335.6	284.5	273.5
42.5°	1816.1	1682.1	1284.4	841.1	593.9	469.6	407.4	375.6	327.3	273.5	263.8
45°	1958.3	1805.0	1363.1	812.1	534.5	430.9	399.1	371.5	323.2	267.9	256.9
47.5°	2073.0	1918.3	1439.1	787.2	479.2	404.7	390.8	360.5	312.1	259.6	248.6
50°	2180.7	2010.8	1491.5	766.5	429.5	383.9	372.9	335.6	287.3	237.5	230.6
52.5°	2269.1	2084.0	1524.7	774.8	381.2	361.8	343.9	302.5	254.1	216.8	207.2
55°	2335.4	2125.5	1530.2	761.0	338.4	327.3	306.6	270.7	236.2	204.4	196.1
57.5°	2390.6	2144.8	1509.5	642.2	301.1	285.9	269.3	245.8	212.7	182.3	176.8
60°	2408.6	2143.4	1457.0	455.8	259.6	236.2	241.7	223.7	189.2	160.2	154.7
62.5°	2398.9	2110.3	1321.7	317.6	221.0	214.1	222.4	204.4	169.9	143.6	139.5
65°	2347.8	2027.4	1117.3	221.0	200.3	204.4	212.7	193.3	157.4	132.6	129.8
67.5°	2230.4	1867.2	817.6	190.6	190.6	197.5	201.6	176.8	109.1	77.3	71.8
70°	2015.0	1553.7	408.8	178.2	179.5	185.1	175.4	127.1	92.5	66.3	63.5
72.5°	1643.5	1095.2	145.0	164.3	165.7	158.8	142.2	111.9	80.1	58.0	53.9
75°	1067.6	535.9	125.7	153.3	143.6	134.0	125.7	93.9	67.7	41.4	38.7
77.5°	465.4	122.9	117.4	132.6	122.9	118.8	89.8	69.1	45.6	29.0	27.6
80°	78.7	73.2	110.5	98.1	98.1	73.2	55.2	41.4	27.6	18.0	16.6
82.5°	37.3	52.5	85.6	63.5	53.9	35.9	31.8	29.0	20.7	13.8	13.8
85°	27.6	41.4	33.1	29.0	20.7	20.7	23.5	16.6	13.8	6.9	6.9
87.5°	8.3	6.9	6.9	5.5	6.9	2.8	2.8	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)