

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: P510964

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510964
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
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 880mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6865 lumens
Efficiency: N/A
Efficacy: 139.8 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

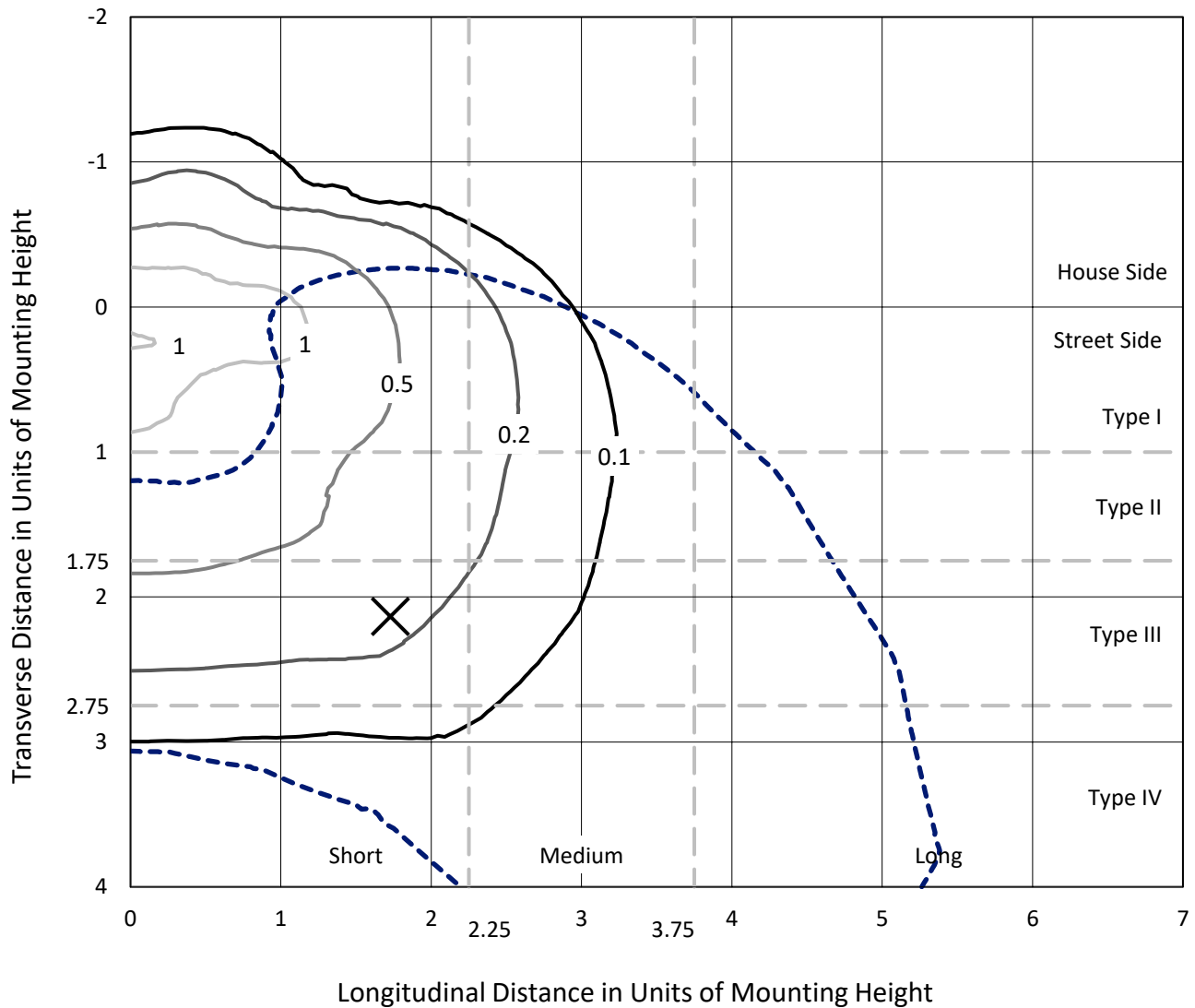


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Iso-Footcandle Lines of Horizontal Illumination

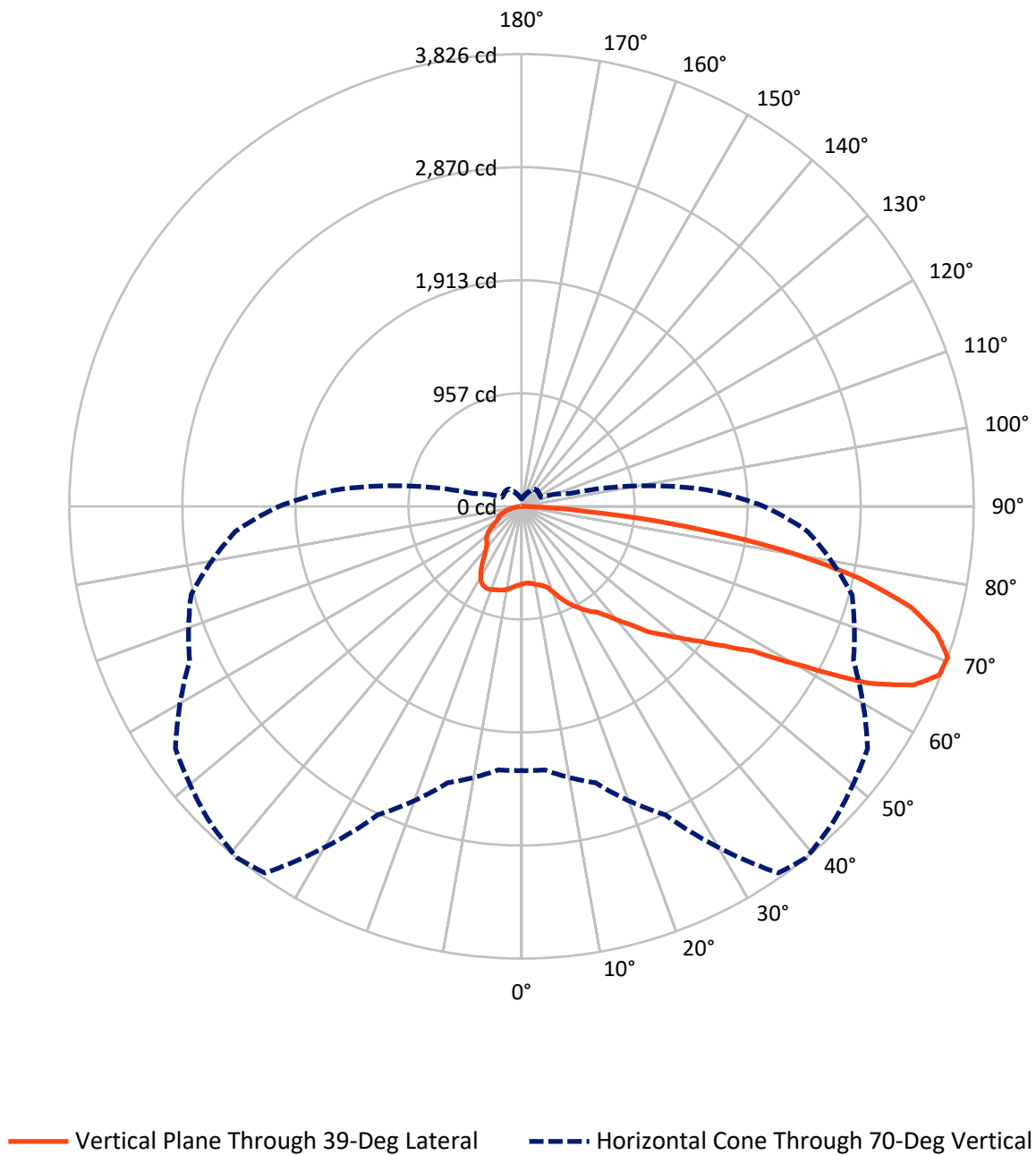
✕ Max cd
- - - 1/2 Max cd



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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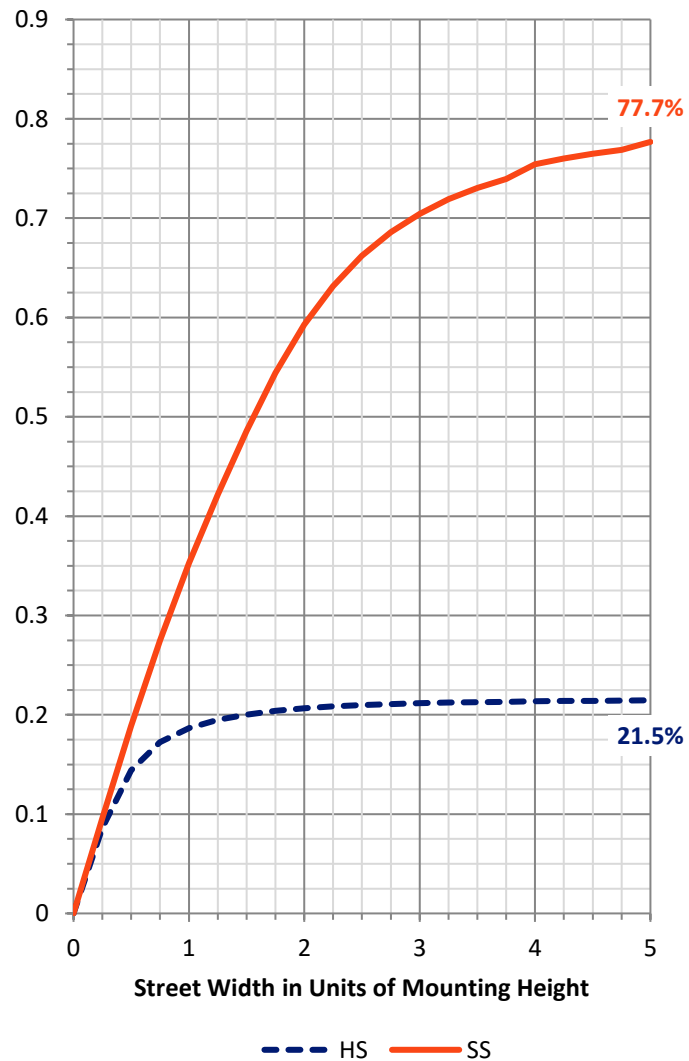
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1484.8	0.0	1484.8
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5380.2	0.0	5380.2
	% Fixture	78.4	0.0	78.4
Total	Lumens	6865.0	0.0	6865.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	0.9
10°-20°	205.6	3.0
20°-30°	390.1	5.7
30°-40°	610.1	8.9
40°-50°	926.5	13.5
50°-60°	1356.8	19.8
60°-70°	1745.9	25.4
70°-80°	1327.2	19.3
80°-90°	238.6	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°	6865.0	100.0
0°-180°	6865.0	100.0

Coefficient of Utilization



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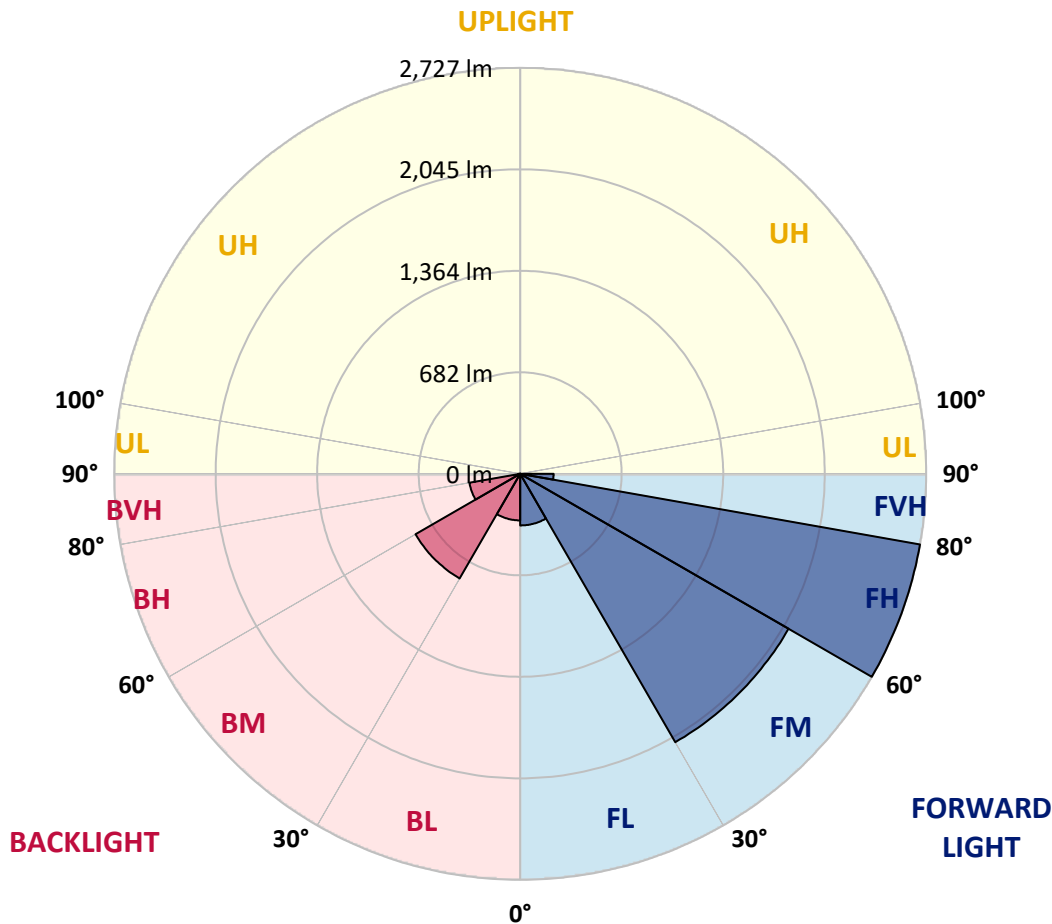
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.9	5.1			
FM	(30°-60°)	2081.7	30.3			
FH	(60°-80°)	2727.1	39.7			G2/5000
FVH	(80°-90°)	224.5	3.3			G2/225
BL	(0°-30°)	313.1	4.6	B1/500		
BM	(30°-60°)	811.7	11.8	B1/1000		
BH	(60°-80°)	345.9	5.0	B1/500		G1/500
BVH	(80°-90°)	14.1	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°	656.9	656.9	656.9	656.9	656.9	656.9	656.9	656.9	656.9	656.9	656.9
2.5°	649.9	648.5	648.5	649.9	649.9	651.3	651.3	652.7	654.1	658.3	659.7
5°	647.1	648.5	648.5	649.9	651.3	651.3	651.3	652.7	652.7	656.9	658.3
7.5°	649.9	651.3	654.1	656.9	658.3	659.7	661.1	662.5	662.5	664.0	666.8
10°	654.1	656.9	658.3	664.0	671.0	672.4	675.2	679.4	680.8	682.2	685.1
12.5°	664.0	662.5	665.4	672.4	679.4	682.2	686.5	693.5	699.1	699.1	701.9
15°	672.4	673.8	676.6	683.6	692.1	697.7	703.3	711.8	718.8	723.0	725.8
17.5°	717.4	714.6	718.8	713.2	718.8	723.0	730.1	739.9	751.2	755.4	761.0
20°	784.9	787.7	780.7	782.1	777.9	776.5	773.7	775.1	786.3	799.0	808.8
22.5°	862.3	867.9	865.1	853.9	844.0	842.6	837.0	834.2	837.0	852.4	866.5
25°	931.2	932.6	931.2	917.2	905.9	903.1	903.1	908.7	910.1	915.7	928.4
27.5°	983.3	983.3	979.0	970.6	959.4	955.1	959.4	973.4	986.1	994.5	1008.6
30°	1024.1	1024.1	1019.8	1015.6	1011.4	1007.2	1010.0	1039.5	1069.1	1088.8	1121.1
32.5°	1107.1	1101.4	1091.6	1053.6	1057.8	1057.8	1060.6	1094.4	1145.0	1194.3	1239.3
35°	1190.0	1185.8	1174.6	1147.8	1101.4	1100.0	1115.5	1153.5	1218.2	1308.2	1385.6
37.5°	1295.5	1291.3	1278.7	1237.9	1194.3	1171.8	1159.1	1214.0	1305.4	1450.3	1558.6
40°	1417.9	1416.5	1394.0	1342.0	1285.7	1273.0	1243.5	1281.5	1410.9	1617.7	1737.2
42.5°	1510.8	1510.8	1493.9	1439.0	1396.8	1375.7	1357.4	1372.9	1536.1	1810.4	1906.0
45°	1575.5	1583.9	1572.7	1545.9	1520.6	1519.2	1503.7	1538.9	1697.9	2013.0	2067.8
47.5°	1655.7	1658.5	1634.6	1626.1	1621.9	1623.3	1645.8	1713.3	1858.2	2194.4	2209.9
50°	1883.5	1880.7	1790.7	1748.5	1726.0	1754.1	1792.1	1884.9	2049.5	2357.6	2332.3
52.5°	2166.3	2125.5	1975.0	1896.2	1879.3	1899.0	1946.8	2049.5	2271.8	2501.1	2429.3
55°	2460.3	2430.7	2330.9	2156.4	2059.4	2086.1	2111.4	2207.1	2478.6	2629.1	2516.5
57.5°	2650.2	2653.0	2647.4	2558.7	2343.5	2311.2	2312.6	2380.1	2651.6	2766.9	2591.1
60°	2806.3	2831.6	2900.6	2880.9	2841.5	2748.6	2577.0	2561.6	2811.9	2864.0	2647.4
62.5°	2889.3	2902.0	3014.5	3113.0	3284.6	3295.8	3097.5	2766.9	2962.5	2931.5	2674.1
65°	2811.9	2820.4	2972.3	3172.0	3584.2	3644.7	3575.8	3091.9	3076.4	2965.3	2661.4
67.5°	2557.3	2571.4	2730.4	3108.7	3765.7	3810.7	3753.0	3511.1	3122.8	2951.2	2586.9
70°	2235.2	2238.0	2420.9	2879.5	3786.8	3826.2	3748.8	3574.4	3098.9	2894.9	2429.3
72.5°	1809.0	1827.3	2015.8	2488.4	3636.3	3674.2	3627.8	3492.8	3044.0	2779.6	2138.1
75°	1389.8	1374.3	1554.4	1979.2	3256.5	3404.2	3385.9	3342.3	2899.2	2450.4	1662.7
77.5°	865.1	889.0	1063.4	1486.9	2679.7	2920.3	3038.4	3086.2	2515.1	1884.9	955.1
80°	400.9	412.2	606.3	994.5	1983.4	2243.6	2470.1	2467.3	1858.2	1121.1	281.3
82.5°	126.6	132.2	243.4	562.7	1253.3	1410.9	1582.5	1436.2	645.7	137.9	45.0
85°	53.5	57.7	99.9	211.0	483.9	581.0	673.8	666.8	70.3	36.6	25.3
87.5°	29.5	30.9	38.0	56.3	74.6	78.8	87.2	77.4	15.5	15.5	8.4
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°	656.9	656.9	656.9	656.9	656.9	656.9	656.9	656.9	656.9	656.9	656.9
2.5°	659.7	659.7	662.5	665.4	665.4	666.8	666.8	666.8	666.8	664.0	662.5
5°	659.7	661.1	665.4	669.6	673.8	675.2	678.0	678.0	679.4	680.8	679.4
7.5°	669.6	672.4	678.0	685.1	689.3	692.1	694.9	696.3	696.3	697.7	697.7
10°	686.5	689.3	699.1	706.2	710.4	713.2	711.8	711.8	713.2	711.8	711.8
12.5°	703.3	707.6	718.8	728.7	728.7	724.4	721.6	718.8	717.4	716.0	714.6
15°	728.7	731.5	746.9	752.6	746.9	737.1	727.3	717.4	710.4	706.2	706.2
17.5°	766.6	773.7	790.6	784.9	770.9	749.8	730.1	709.0	692.1	682.2	682.2
20°	815.9	824.3	839.8	827.1	800.4	768.0	732.9	694.9	661.1	641.4	637.2
22.5°	875.0	887.6	893.2	867.9	828.5	784.9	732.9	680.8	627.4	582.4	572.5
25°	946.7	956.5	942.5	898.9	846.8	787.7	725.8	658.3	578.1	516.2	509.2
27.5°	1026.9	1026.9	988.9	922.8	851.0	776.5	706.2	616.1	516.2	471.2	465.6
30°	1125.3	1104.2	1029.7	936.8	839.8	754.0	666.8	550.0	469.8	430.4	426.2
32.5°	1230.8	1187.2	1069.1	941.1	817.3	714.6	606.3	498.0	436.1	395.3	389.6
35°	1358.8	1289.9	1109.9	931.2	775.1	658.3	534.5	455.8	400.9	355.9	350.3
37.5°	1519.2	1420.7	1154.9	910.1	721.6	586.6	478.3	415.0	367.1	317.9	309.5
40°	1685.2	1571.3	1222.4	882.0	659.7	521.9	433.3	386.8	341.8	289.8	278.5
42.5°	1849.8	1713.3	1308.2	856.7	604.9	478.3	415.0	382.6	333.4	278.5	268.7
45°	1994.7	1838.5	1388.4	827.1	544.4	438.9	406.5	378.4	329.2	272.9	261.6
47.5°	2111.4	1953.9	1465.8	801.8	488.1	412.2	398.1	367.1	317.9	264.5	253.2
50°	2221.1	2048.1	1519.2	780.7	437.5	391.1	379.8	341.8	292.6	241.9	234.9
52.5°	2311.2	2122.7	1553.0	789.1	388.2	368.5	350.3	308.1	258.8	220.8	211.0
55°	2378.7	2164.9	1558.6	775.1	344.6	333.4	312.3	275.7	240.5	208.2	199.7
57.5°	2435.0	2184.6	1537.5	654.1	306.7	291.2	274.3	250.4	216.6	185.7	180.1
60°	2453.2	2183.2	1484.0	464.2	264.5	240.5	246.2	227.9	192.7	163.2	157.5
62.5°	2443.4	2149.4	1346.2	323.5	225.1	218.0	226.5	208.2	173.0	146.3	142.1
65°	2391.3	2065.0	1138.0	225.1	204.0	208.2	216.6	196.9	160.4	135.0	132.2
67.5°	2271.8	1901.8	832.8	194.1	194.1	201.2	205.4	180.1	111.1	78.8	73.1
70°	2052.3	1582.5	416.4	181.5	182.9	188.5	178.6	129.4	94.2	67.5	64.7
72.5°	1673.9	1115.5	147.7	167.4	168.8	161.8	144.9	113.9	81.6	59.1	54.9
75°	1087.4	545.8	128.0	156.1	146.3	136.4	128.0	95.7	68.9	42.2	39.4
77.5°	474.0	125.2	119.6	135.0	125.2	121.0	91.4	70.3	46.4	29.5	28.1
80°	80.2	74.6	112.5	99.9	99.9	74.6	56.3	42.2	28.1	18.3	16.9
82.5°	38.0	53.5	87.2	64.7	54.9	36.6	32.4	29.5	21.1	14.1	14.1
85°	28.1	42.2	33.8	29.5	21.1	21.1	23.9	16.9	14.1	7.0	7.0
87.5°	8.4	7.0	7.0	5.6	7.0	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)