

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: P511006

Luminaire Tested: **USSL-P-C018-D-U-T4-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511006
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-C018-D-U-T4-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1300mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9575 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

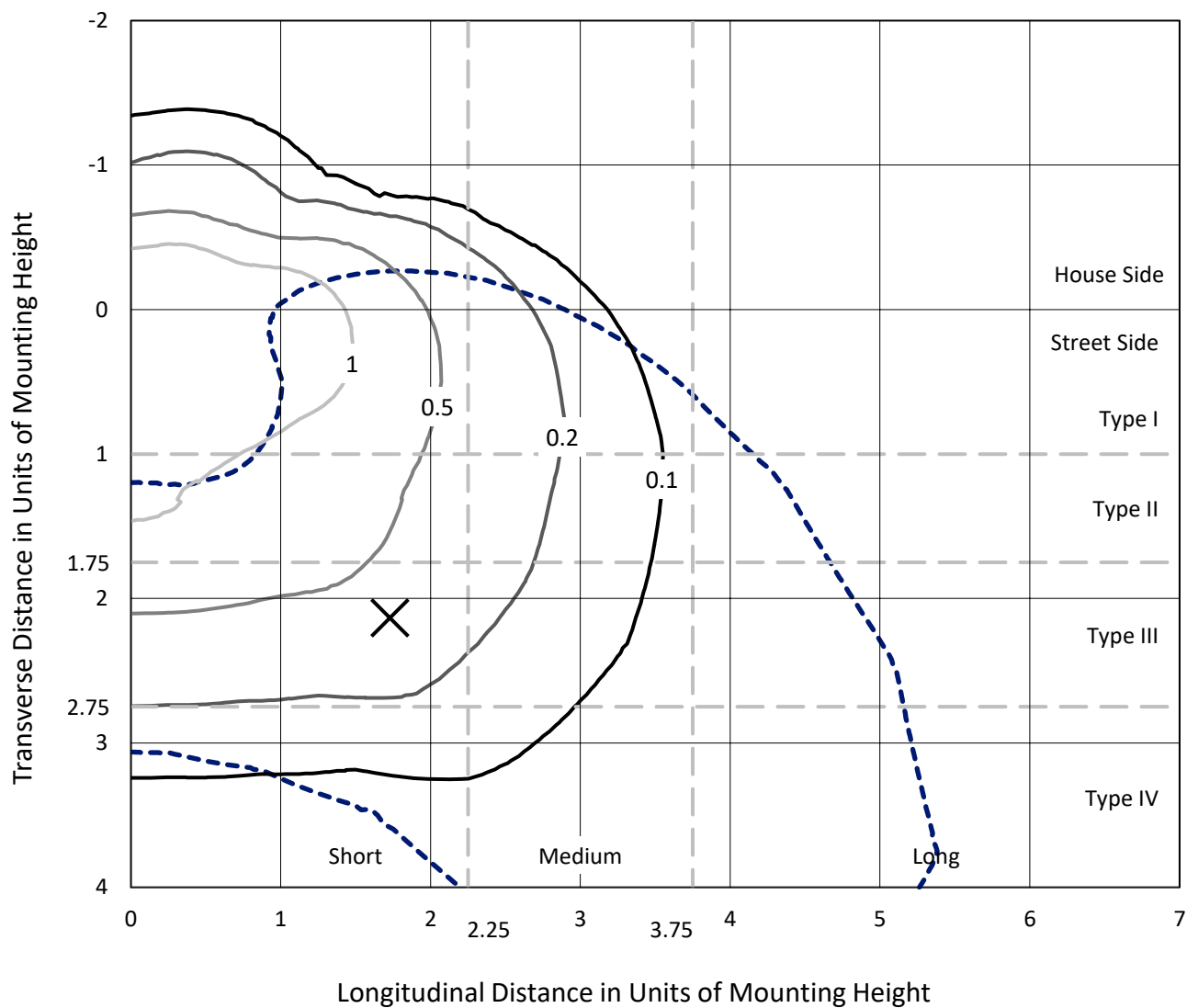
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

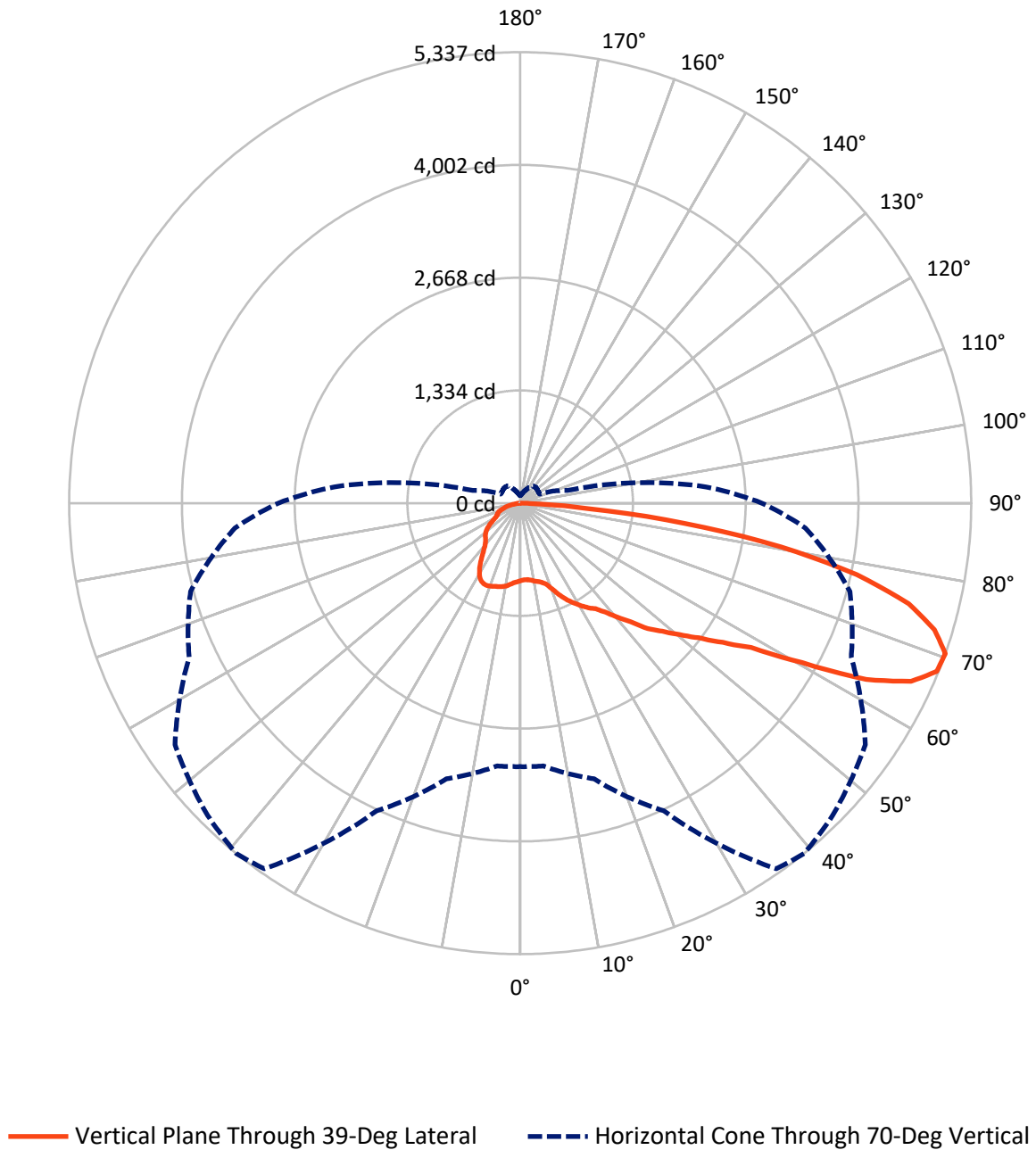
✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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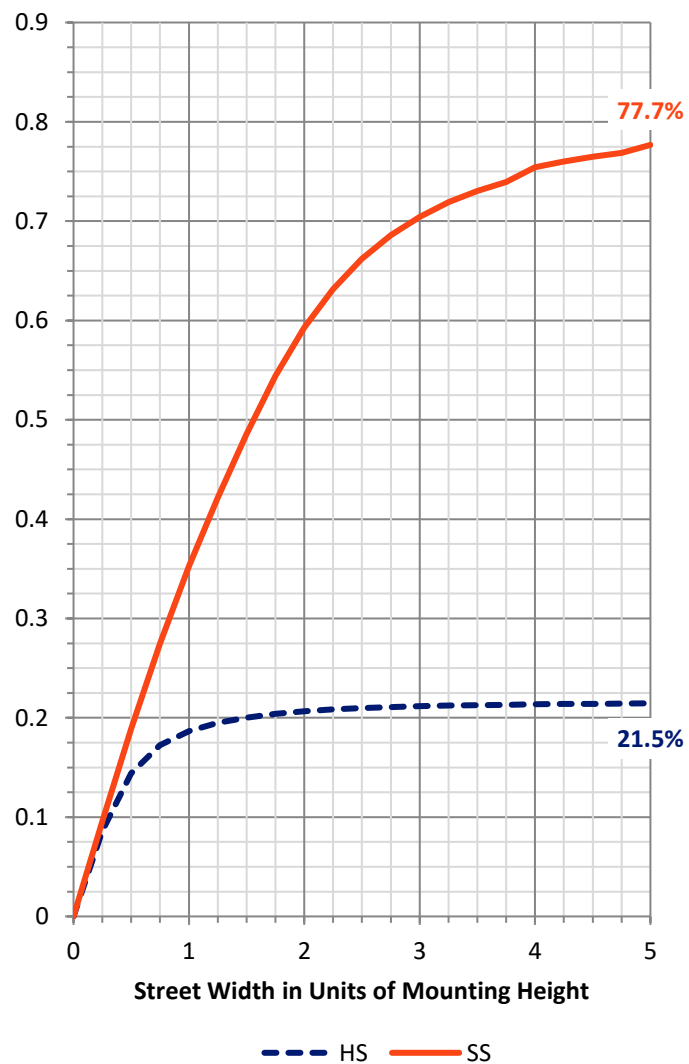
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2070.9	0.0	2070.9
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	7504.0	0.0	7504.0
	% Fixture	78.4	0.0	78.4
Total	Lumens	9575.0	0.0	9575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	0.9
10°-20°	286.8	3.0
20°-30°	544.1	5.7
30°-40°	851.0	8.9
40°-50°	1292.2	13.5
50°-60°	1892.4	19.8
60°-70°	2435.1	25.4
70°-80°	1851.1	19.3
80°-90°	332.8	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°	9575.0	100.0
0°-180°	9575.0	100.0

Coefficient of Utilization



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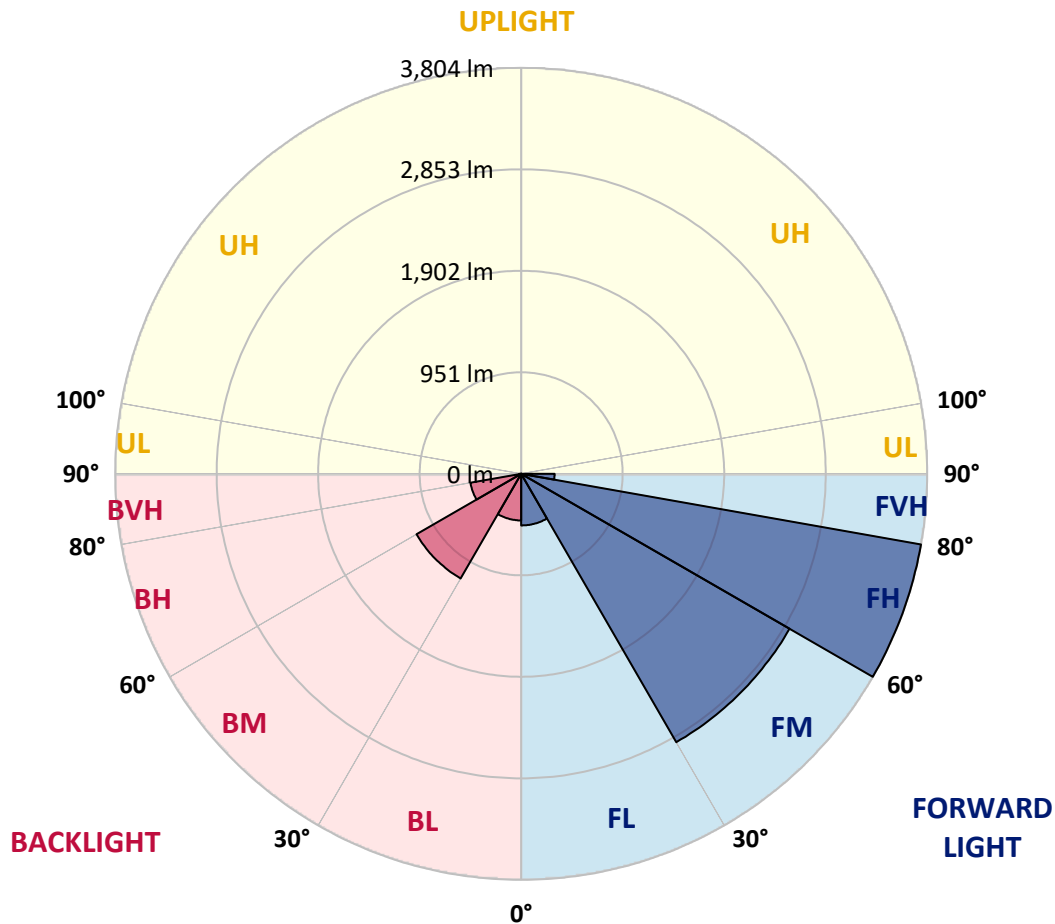
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	483.8	5.1			
FM	(30°-60°)	2903.5	30.3			
FH	(60°-80°)	3803.7	39.7			G2/5000
FVH	(80°-90°)	313.1	3.3			G3/500
BL	(0°-30°)	436.7	4.6	B1/500		
BM	(30°-60°)	1132.2	11.8	B2/2500		
BH	(60°-80°)	482.5	5.0	B1/500		G1/500
BVH	(80°-90°)	19.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	916.2	916.2	916.2	916.2	916.2	916.2	916.2	916.2	916.2	916.2	916.2
2.5°	906.4	904.5	904.5	906.4	906.4	908.4	908.4	910.4	912.3	918.2	920.2
5°	902.5	904.5	904.5	906.4	908.4	908.4	908.4	910.4	910.4	916.2	918.2
7.5°	906.4	908.4	912.3	916.2	918.2	920.2	922.1	924.1	924.1	926.0	930.0
10°	912.3	916.2	918.2	926.0	935.9	937.8	941.7	947.6	949.6	951.6	955.5
12.5°	926.0	924.1	928.0	937.8	947.6	951.6	957.4	967.2	975.1	975.1	979.0
15°	937.8	939.8	943.7	953.5	965.3	973.1	981.0	992.8	1002.6	1008.5	1012.4
17.5°	1000.6	996.7	1002.6	994.7	1002.6	1008.5	1018.3	1032.0	1047.7	1053.6	1061.4
20°	1094.8	1098.7	1088.9	1090.9	1085.0	1083.0	1079.1	1081.0	1096.7	1114.4	1128.1
22.5°	1202.7	1210.5	1206.6	1190.9	1177.2	1175.2	1167.4	1163.4	1167.4	1189.0	1208.6
25°	1298.8	1300.8	1298.8	1279.2	1263.5	1259.6	1259.6	1267.4	1269.4	1277.2	1294.9
27.5°	1371.4	1371.4	1365.5	1353.8	1338.1	1332.2	1338.1	1357.7	1375.3	1387.1	1406.7
30°	1428.3	1428.3	1422.4	1416.5	1410.7	1404.8	1408.7	1449.9	1491.1	1518.6	1563.7
32.5°	1544.1	1536.2	1522.5	1469.5	1475.4	1475.4	1479.3	1526.4	1597.0	1665.7	1728.5
35°	1659.8	1653.9	1638.2	1601.0	1536.2	1534.3	1555.8	1608.8	1699.1	1824.6	1932.5
37.5°	1807.0	1801.1	1783.4	1726.5	1665.7	1634.3	1616.7	1693.2	1820.7	2022.8	2173.9
40°	1977.7	1975.7	1944.3	1871.7	1793.2	1775.6	1734.4	1787.4	1967.9	2256.3	2423.0
42.5°	2107.2	2107.2	2083.6	2007.1	1948.2	1918.8	1893.3	1914.9	2142.5	2525.1	2658.5
45°	2197.4	2209.2	2193.5	2156.2	2120.9	2118.9	2097.3	2146.4	2368.1	2807.6	2884.1
47.5°	2309.2	2313.2	2279.8	2268.0	2262.1	2264.1	2295.5	2389.7	2591.8	3060.7	3082.3
50°	2627.1	2623.1	2497.6	2438.7	2407.3	2446.6	2499.5	2629.0	2858.6	3288.3	3252.9
52.5°	3021.4	2964.5	2754.6	2644.7	2621.2	2648.7	2715.4	2858.6	3168.6	3488.4	3388.3
55°	3431.5	3390.3	3251.0	3007.7	2872.3	2909.6	2944.9	3078.3	3457.0	3666.9	3510.0
57.5°	3696.3	3700.3	3692.4	3568.8	3268.6	3223.5	3225.5	3319.6	3698.3	3859.2	3613.9
60°	3914.1	3949.4	4045.6	4018.1	3963.2	3833.7	3594.3	3572.7	3922.0	3994.6	3692.4
62.5°	4029.9	4047.5	4204.5	4341.8	4581.2	4596.9	4320.3	3859.2	4131.9	4088.7	3729.7
65°	3922.0	3933.7	4145.6	4424.2	4999.1	5083.5	4987.3	4312.4	4290.8	4135.8	3712.0
67.5°	3566.9	3586.5	3808.2	4335.9	5252.2	5315.0	5234.5	4897.1	4355.6	4116.2	3608.1
70°	3117.6	3121.5	3376.5	4016.1	5281.6	5336.6	5228.6	4985.4	4322.2	4037.7	3388.3
72.5°	2523.1	2548.6	2811.5	3470.7	5071.7	5124.7	5059.9	4871.6	4245.7	3876.8	2982.2
75°	1938.4	1916.8	2168.0	2760.5	4542.0	4748.0	4722.5	4661.6	4043.6	3417.7	2319.0
77.5°	1206.6	1240.0	1483.2	2073.8	3737.5	4073.0	4237.8	4304.6	3508.0	2629.0	1332.2
80°	559.2	574.9	845.6	1387.1	2766.4	3129.3	3445.2	3441.3	2591.8	1563.7	392.4
82.5°	176.6	184.4	339.4	784.8	1748.1	1967.9	2207.2	2003.2	900.5	192.3	62.8
85°	74.6	80.4	139.3	294.3	674.9	810.3	939.8	930.0	98.1	51.0	35.3
87.5°	41.2	43.2	53.0	78.5	104.0	109.9	121.6	107.9	21.6	21.6	11.8
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°	916.2	916.2	916.2	916.2	916.2	916.2	916.2	916.2	916.2	916.2	916.2
2.5°	920.2	920.2	924.1	928.0	928.0	930.0	930.0	930.0	930.0	926.0	924.1
5°	920.2	922.1	928.0	933.9	939.8	941.7	945.7	945.7	947.6	949.6	947.6
7.5°	933.9	937.8	945.7	955.5	961.4	965.3	969.2	971.2	971.2	973.1	973.1
10°	957.4	961.4	975.1	984.9	990.8	994.7	992.8	992.8	994.7	992.8	992.8
12.5°	981.0	986.9	1002.6	1016.3	1016.3	1010.4	1006.5	1002.6	1000.6	998.6	996.7
15°	1016.3	1020.2	1041.8	1049.7	1041.8	1028.1	1014.3	1000.6	990.8	984.9	984.9
17.5°	1069.3	1079.1	1102.6	1094.8	1075.2	1045.7	1018.3	988.8	965.3	951.6	951.6
20°	1137.9	1149.7	1171.3	1153.6	1116.4	1071.2	1022.2	969.2	922.1	894.7	888.8
22.5°	1220.3	1238.0	1245.8	1210.5	1155.6	1094.8	1022.2	949.6	875.0	812.3	798.5
25°	1320.4	1334.1	1314.5	1253.7	1181.1	1098.7	1012.4	918.2	806.4	720.0	710.2
27.5°	1432.2	1432.2	1379.3	1287.1	1187.0	1083.0	984.9	859.3	720.0	657.3	649.4
30°	1569.6	1540.1	1436.2	1306.7	1171.3	1051.6	930.0	767.1	655.3	600.4	594.5
32.5°	1716.7	1655.9	1491.1	1312.6	1139.9	996.7	845.6	694.5	608.2	551.3	543.5
35°	1895.3	1799.1	1548.0	1298.8	1081.0	918.2	745.5	635.7	559.2	496.4	488.5
37.5°	2118.9	1981.6	1610.8	1269.4	1006.5	818.1	667.1	578.8	512.1	443.4	431.6
40°	2350.4	2191.5	1704.9	1230.2	920.2	727.9	604.3	539.5	476.8	404.2	388.5
42.5°	2580.0	2389.7	1824.6	1194.8	843.6	667.1	578.8	533.7	465.0	388.5	374.7
45°	2782.1	2564.3	1936.5	1153.6	759.3	612.1	567.0	527.8	459.1	380.6	364.9
47.5°	2944.9	2725.2	2044.4	1118.3	680.8	574.9	555.2	512.1	443.4	368.8	353.2
50°	3097.9	2856.6	2118.9	1088.9	610.2	545.4	529.7	476.8	408.1	337.5	327.6
52.5°	3223.5	2960.6	2166.0	1100.7	541.5	514.0	488.5	429.7	361.0	308.0	294.3
55°	3317.7	3019.5	2173.9	1081.0	480.7	465.0	435.6	384.5	335.5	290.4	278.6
57.5°	3396.2	3046.9	2144.4	912.3	427.7	406.1	382.6	349.2	302.1	259.0	251.1
60°	3421.7	3045.0	2069.9	647.4	368.8	335.5	343.3	317.8	268.8	227.6	219.7
62.5°	3407.9	2997.9	1877.6	451.3	313.9	304.1	315.9	290.4	241.3	204.0	198.2
65°	3335.3	2880.2	1587.2	313.9	284.5	290.4	302.1	274.7	223.7	188.3	184.4
67.5°	3168.6	2652.6	1161.5	270.8	270.8	280.6	286.4	251.1	155.0	109.9	102.0
70°	2862.5	2207.2	580.7	253.1	255.1	262.9	249.2	180.5	131.5	94.2	90.3
72.5°	2334.7	1555.8	206.0	233.5	235.4	225.6	202.1	158.9	113.8	82.4	76.5
75°	1516.6	761.2	178.5	217.8	204.0	190.3	178.5	133.4	96.1	58.9	54.9
77.5°	661.2	174.6	166.8	188.3	174.6	168.7	127.5	98.1	64.7	41.2	39.2
80°	111.8	104.0	157.0	139.3	139.3	104.0	78.5	58.9	39.2	25.5	23.5
82.5°	53.0	74.6	121.6	90.3	76.5	51.0	45.1	41.2	29.4	19.6	19.6
85°	39.2	58.9	47.1	41.2	29.4	29.4	33.4	23.5	19.6	9.8	9.8
87.5°	11.8	9.8	9.8	7.8	9.8	3.9	3.9	2.0	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)