

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: P510936

Luminaire Tested: **USSL-P-C016-D-U-T2-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)
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-T2-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 880mA LED AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6840 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

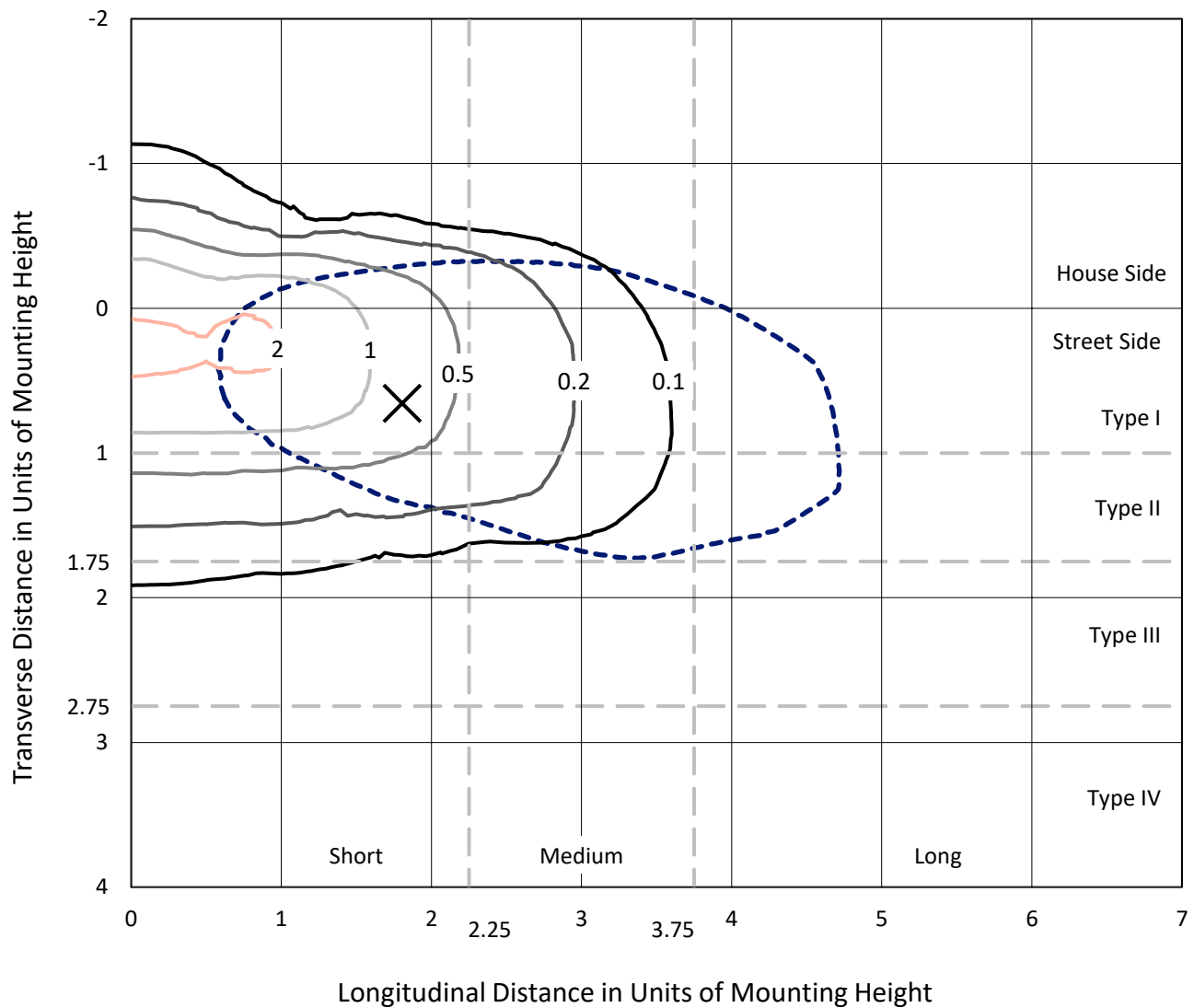
Input Watts (W): 49.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

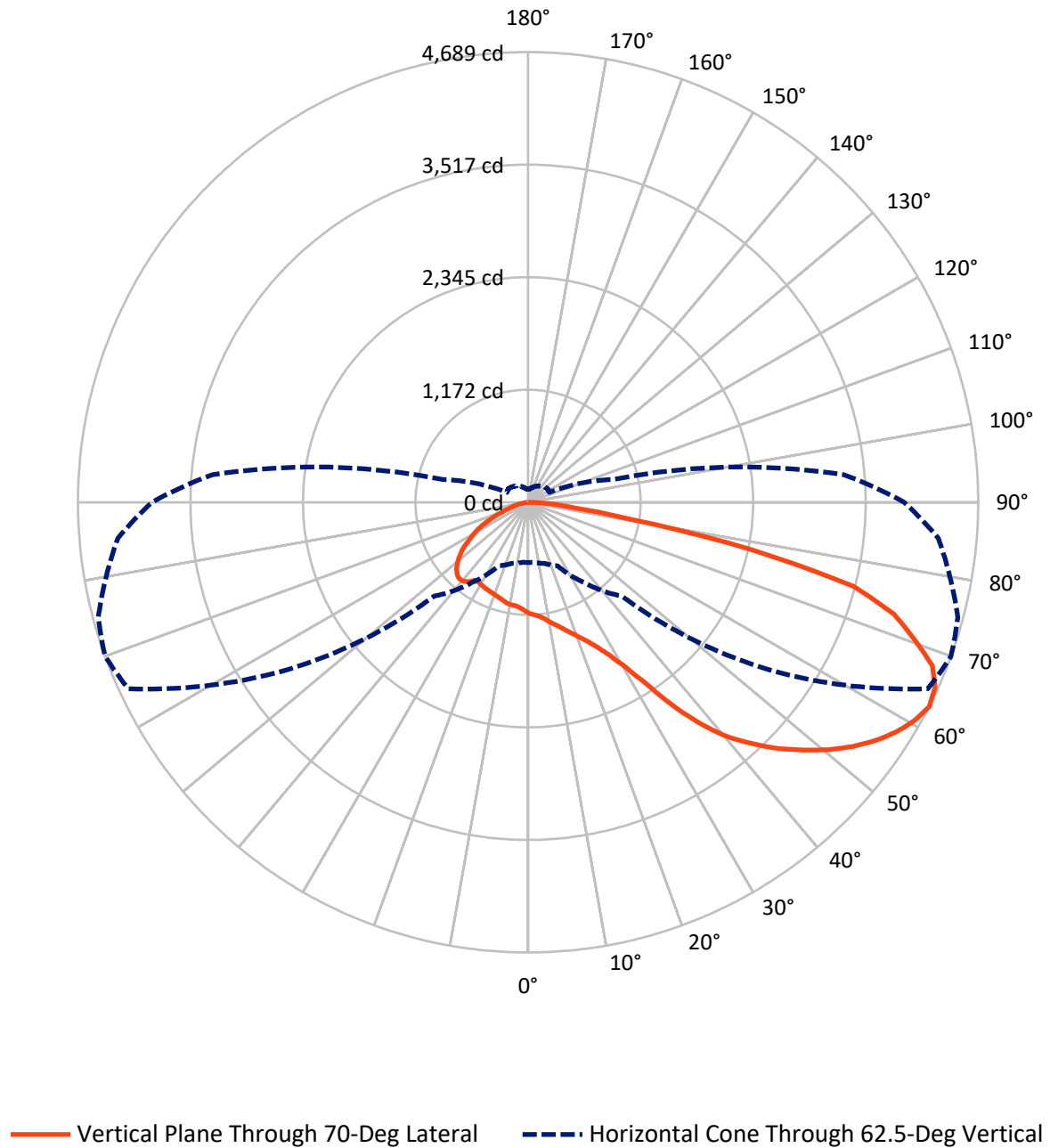
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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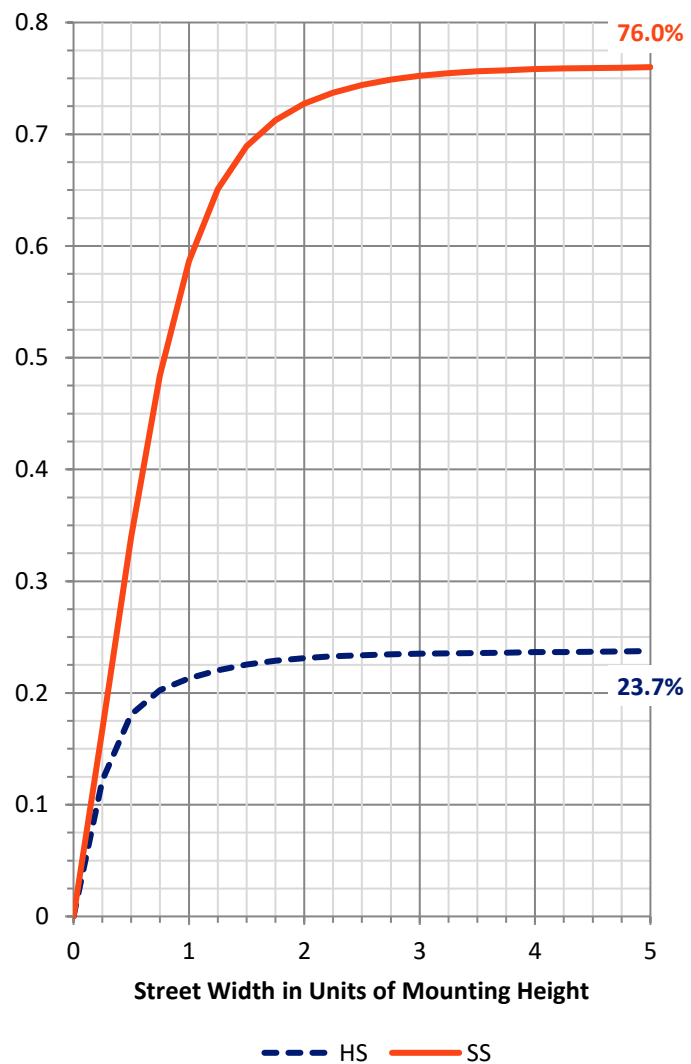
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1643.4	0.0	1643.4
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	5196.6	0.0	5196.6
	% Fixture	76.0	0.0	76.0
Total	Lumens	6840.0	0.0	6840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.6
10°-20°	339.7	5.0
20°-30°	577.7	8.4
30°-40°	873.4	12.8
40°-50°	1205.3	17.6
50°-60°	1407.5	20.6
60°-70°	1382.2	20.2
70°-80°	829.8	12.1
80°-90°	113.7	1.7
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°	6840.0	100.0
0°-180°	6840.0	100.0

Coefficient of Utilization



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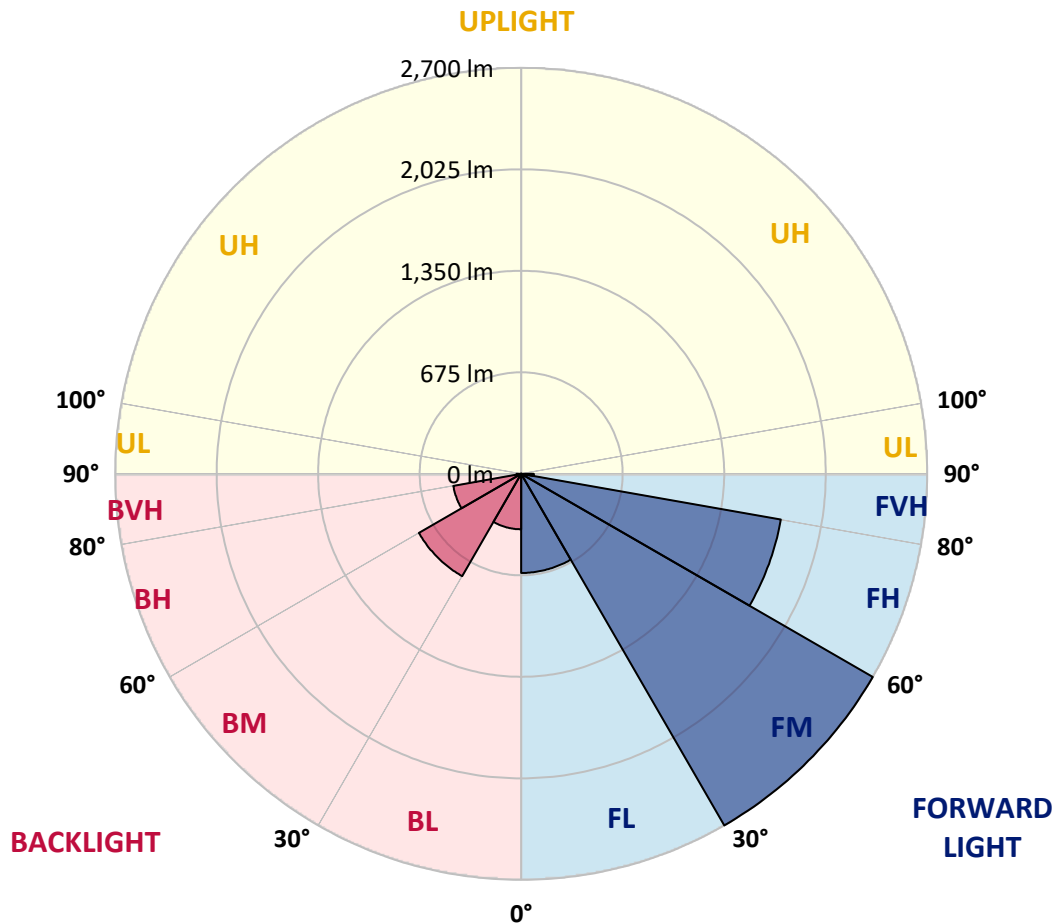
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	659.2	9.6			
FM	(30°-60°)	2700.2	39.5			
FH	(60°-80°)	1753.5	25.6			G1/1800
FVH	(80°-90°)	83.8	1.2			G1/100
BL	(0°-30°)	369.0	5.4	B1/500		
BM	(30°-60°)	786.0	11.5	B1/1000		
BH	(60°-80°)	458.6	6.7	B1/500		G1/500
BVH	(80°-90°)	29.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5
2.5°	1223.2	1224.6	1216.0	1211.7	1206.0	1201.7	1190.3	1180.2	1173.1	1167.3	1155.9
5°	1292.0	1290.5	1281.9	1266.2	1256.1	1241.8	1217.5	1200.3	1190.3	1178.8	1155.9
7.5°	1360.7	1355.0	1346.4	1332.1	1319.2	1299.1	1273.3	1239.0	1224.6	1206.0	1170.2
10°	1418.0	1418.0	1415.1	1402.2	1387.9	1360.7	1334.9	1294.8	1270.5	1243.3	1191.7
12.5°	1475.3	1473.9	1465.3	1458.1	1443.8	1419.4	1389.4	1345.0	1313.4	1284.8	1214.6
15°	1534.0	1531.2	1521.1	1511.1	1491.1	1472.4	1442.4	1400.8	1366.4	1330.6	1241.8
17.5°	1595.6	1591.3	1578.4	1572.7	1549.8	1531.2	1506.8	1462.4	1426.6	1383.6	1280.5
20°	1641.4	1640.0	1628.6	1625.7	1614.2	1592.7	1574.1	1535.5	1492.5	1446.6	1324.9
22.5°	1677.3	1677.3	1674.4	1680.1	1684.4	1670.1	1645.7	1612.8	1567.0	1522.6	1382.2
25°	1703.0	1703.0	1713.1	1730.2	1754.6	1753.2	1741.7	1708.8	1670.1	1620.0	1455.2
27.5°	1711.6	1713.1	1727.4	1771.8	1826.2	1842.0	1836.2	1827.6	1800.4	1738.8	1555.5
30°	1711.6	1713.1	1743.1	1806.2	1893.5	1935.1	1952.3	1990.9	1982.3	1936.5	1726.0
32.5°	1687.3	1690.1	1728.8	1817.6	1939.4	2018.1	2081.2	2207.2	2244.5	2253.0	2041.1
35°	1598.5	1605.6	1668.7	1801.9	1976.6	2119.8	2247.3	2493.7	2605.4	2615.4	2377.7
37.5°	1521.1	1525.4	1611.4	1770.4	1999.5	2212.9	2426.4	2813.1	2933.4	2932.0	2638.3
40°	1448.1	1456.7	1538.3	1720.2	1996.7	2294.6	2608.3	3099.6	3219.9	3172.6	2857.5
42.5°	1365.0	1375.0	1453.8	1657.2	1978.0	2369.1	2784.4	3363.1	3440.4	3413.2	3075.2
45°	1276.2	1280.5	1362.1	1554.1	1935.1	2414.9	2953.5	3595.1	3659.6	3609.5	3268.6
47.5°	1196.0	1201.7	1270.5	1450.9	1853.4	2429.2	3102.4	3801.4	3855.8	3814.3	3441.9
50°	951.1	968.3	1170.2	1357.8	1733.1	2399.1	3242.8	3986.2	4050.6	3996.2	3623.8
52.5°	820.7	830.7	911.0	1261.9	1572.7	2318.9	3341.6	4172.4	4228.2	4156.6	3781.3
55°	767.7	769.2	816.4	1078.5	1440.9	2182.9	3400.3	4341.4	4384.3	4314.2	3938.9
57.5°	720.5	727.6	769.2	879.4	1313.4	1936.5	3403.2	4468.9	4517.6	4430.2	4067.8
60°	667.5	673.2	720.5	794.9	1167.3	1617.1	3284.3	4579.1	4622.1	4547.6	4195.3
62.5°	625.9	627.4	658.9	730.5	1021.2	1382.2	3025.1	4594.9	4689.4	4635.0	4289.8
65°	575.8	578.7	610.2	673.2	902.4	1201.7	2732.9	4506.1	4659.4	4660.8	4341.4
67.5°	511.3	512.8	547.1	610.2	780.6	1062.8	2251.6	4414.4	4541.9	4566.3	4238.3
70°	425.4	434.0	464.1	524.2	661.7	899.5	1711.6	4158.0	4268.3	4331.4	3970.4
72.5°	322.3	336.6	373.8	436.9	531.4	753.4	1203.2	3762.7	3984.7	4029.1	3577.9
75°	67.3	68.8	111.7	230.6	429.7	584.4	825.0	2861.8	3504.9	3579.4	3040.8
77.5°	30.1	32.9	51.6	77.3	138.9	376.7	540.0	1501.1	2380.5	2794.5	2400.6
80°	22.9	24.3	41.5	61.6	85.9	113.2	266.4	825.0	1105.8	1545.5	1615.7
82.5°	12.9	14.3	27.2	44.4	54.4	51.6	110.3	358.1	495.6	627.4	787.8
85°	7.2	8.6	15.8	24.3	22.9	25.8	48.7	190.5	282.2	372.4	398.2
87.5°	2.9	4.3	5.7	8.6	8.6	7.2	8.6	35.8	51.6	48.7	34.4
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°	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5	1154.5
2.5°	1150.2	1143.0	1131.5	1120.1	1110.1	1101.5	1092.9	1090.0	1088.6	1088.6	1094.3
5°	1144.4	1133.0	1110.1	1090.0	1069.9	1055.6	1044.2	1032.7	1032.7	1029.8	1029.8
7.5°	1151.6	1134.4	1100.0	1069.9	1044.2	1024.1	1011.2	998.3	991.2	989.7	989.7
10°	1165.9	1144.4	1101.5	1062.8	1029.8	998.3	978.3	958.2	946.8	941.0	942.5
12.5°	1180.2	1148.7	1095.7	1048.5	1004.1	964.0	929.6	900.9	888.0	889.5	889.5
15°	1194.6	1155.9	1081.4	1022.7	968.3	916.7	882.3	852.2	833.6	830.7	835.0
17.5°	1223.2	1170.2	1075.7	998.3	931.0	870.9	837.9	813.6	779.2	779.2	776.3
20°	1257.6	1194.6	1077.1	972.5	892.3	823.6	784.9	762.0	731.9	714.7	710.4
22.5°	1302.0	1227.5	1080.0	948.2	850.8	774.9	723.3	694.7	673.2	648.8	644.5
25°	1365.0	1267.6	1087.1	923.8	806.4	719.0	653.1	615.9	591.6	564.3	562.9
27.5°	1435.2	1313.4	1094.3	899.5	754.8	648.8	565.8	524.2	504.2	491.3	487.0
30°	1552.6	1389.4	1104.3	870.9	693.2	557.2	475.5	449.8	434.0	405.3	411.1
32.5°	1847.7	1588.4	1115.8	837.9	630.2	475.5	415.4	383.9	355.2	333.7	332.3
35°	2132.7	1844.8	1171.6	800.7	552.9	398.2	359.5	315.1	280.7	270.7	270.7
37.5°	2383.4	2058.3	1307.7	766.3	477.0	356.6	299.4	265.0	243.5	229.2	246.4
40°	2605.4	2273.1	1409.4	717.6	395.3	306.5	240.6	229.2	216.3	213.4	214.8
42.5°	2801.6	2442.1	1488.2	656.0	336.6	250.7	209.1	219.1	217.7	216.3	210.6
45°	2995.0	2611.1	1538.3	567.2	287.9	213.4	206.3	222.0	223.4	223.4	217.7
47.5°	3159.7	2755.8	1569.8	466.9	246.4	212.0	212.0	214.8	223.4	226.3	223.4
50°	3325.9	2887.6	1568.4	363.8	243.5	222.0	214.8	207.7	214.8	207.7	206.3
52.5°	3487.7	3003.6	1506.8	296.5	252.1	234.9	216.3	203.4	191.9	191.9	186.2
55°	3619.5	3101.0	1387.9	277.9	260.7	242.1	217.7	199.1	183.3	170.4	177.6
57.5°	3739.8	3197.0	1211.7	270.7	260.7	240.6	217.7	194.8	176.2	157.6	149.0
60°	3851.5	3278.6	1061.4	257.8	259.3	234.9	212.0	189.1	163.3	144.7	138.9
62.5°	3917.4	3300.1	913.8	243.5	247.8	229.2	207.7	183.3	157.6	137.5	134.6
65°	3901.7	3239.9	734.8	227.7	237.8	222.0	200.5	173.3	147.5	127.5	121.7
67.5°	3749.8	3007.9	564.3	204.8	222.0	212.0	189.1	141.8	85.9	70.2	71.6
70°	3416.1	2705.7	399.6	174.7	194.8	191.9	144.7	96.0	68.8	54.4	58.7
72.5°	3023.6	2340.4	276.4	137.5	147.5	134.6	110.3	83.1	58.7	45.8	45.8
75°	2518.0	1874.9	207.7	111.7	77.3	93.1	94.5	73.0	58.7	68.8	75.9
77.5°	1965.2	1386.5	164.7	88.8	34.4	51.6	68.8	61.6	104.6	108.9	101.7
80°	1319.2	936.7	128.9	30.1	18.6	21.5	41.5	84.5	87.4	48.7	45.8
82.5°	730.5	488.4	54.4	17.2	10.0	11.5	21.5	110.3	57.3	44.4	43.0
85°	336.6	206.3	20.1	8.6	5.7	5.7	5.7	18.6	11.5	8.6	11.5
87.5°	25.8	15.8	4.3	2.9	2.9	1.4	0.0	1.4	1.4	1.4	1.4
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)