

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: P691594

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6734 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 53.7
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

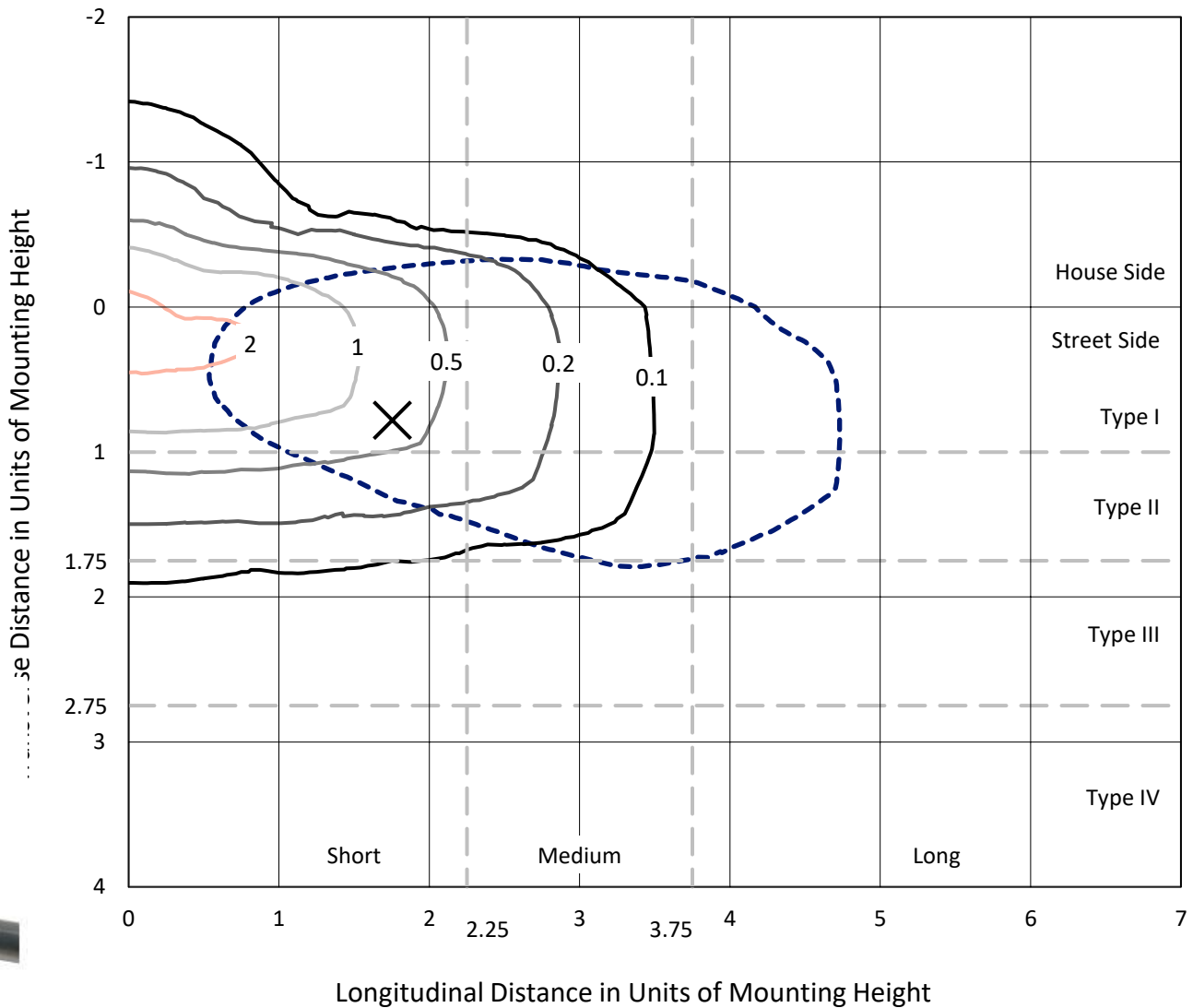


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

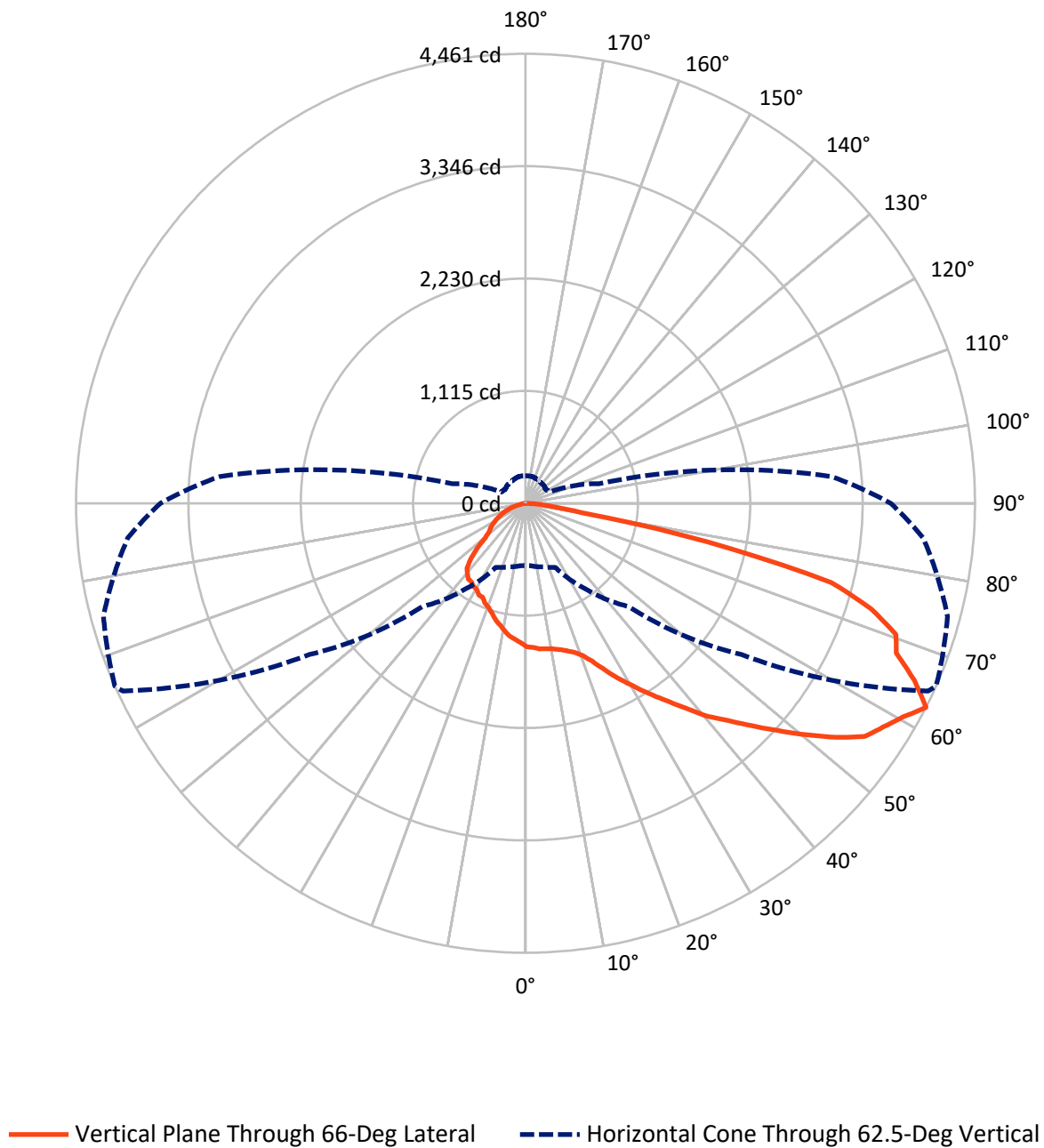


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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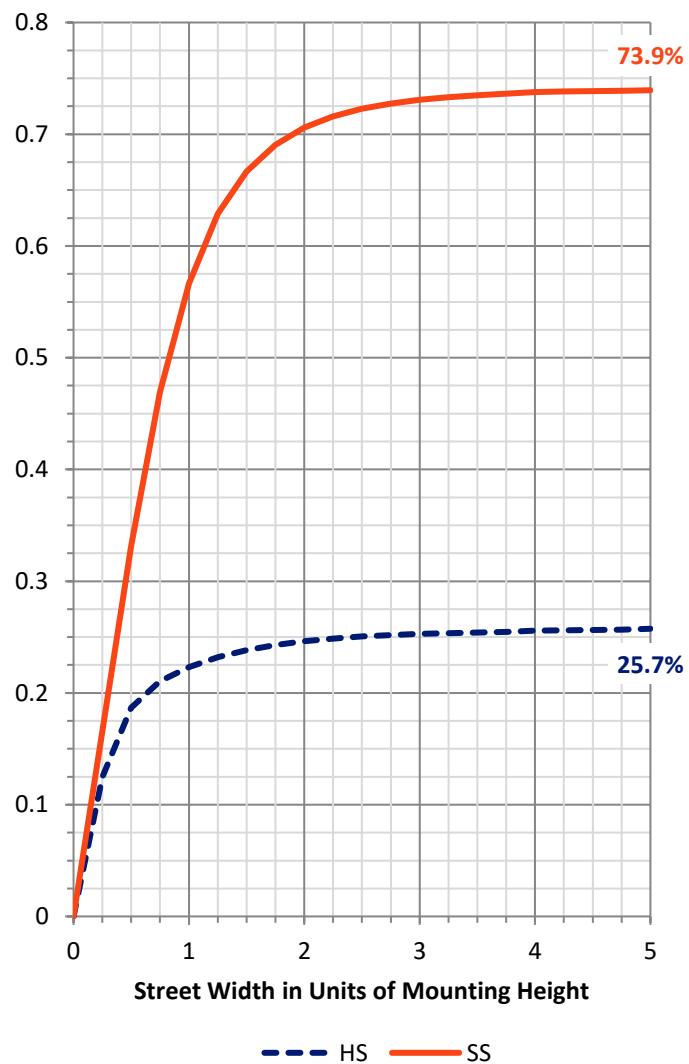
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1759.6	0.0	1759.6
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	4974.4	0.0	4974.4
	% Fixture	73.9	0.0	73.9
Total	Lumens	6734.0	0.0	6734.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	2.0
10°-20°	378.2	5.6
20°-30°	614.0	9.1
30°-40°	885.6	13.2
40°-50°	1152.0	17.1
50°-60°	1338.0	19.9
60°-70°	1323.8	19.7
70°-80°	820.0	12.2
80°-90°	89.0	1.3
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°	6734.0	100.0
0°-180°	6734.0	100.0

Coefficient of Utilization



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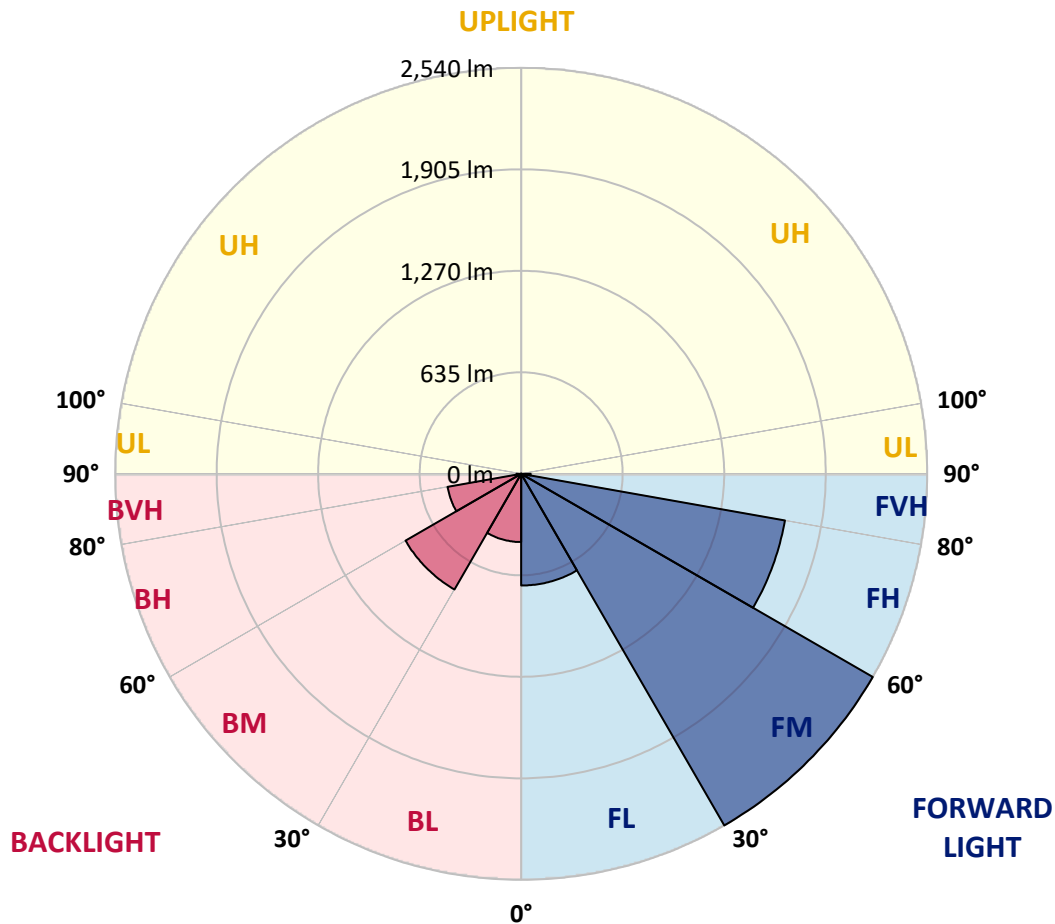
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	698.6	10.4			
FM	(30°-60°)	2540.2	37.7			
FH	(60°-80°)	1675.9	24.9			G1/1800
FVH	(80°-90°)	59.7	0.9			G1/100
BL	(0°-30°)	426.8	6.3	B1/500		
BM	(30°-60°)	835.5	12.4	B1/1000		
BH	(60°-80°)	467.9	6.9	B1/500		G1/500
BVH	(80°-90°)	29.3	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°	66°	75°	85°
0°	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4
2.5°	1475.4	1475.4	1480.0	1463.8	1454.5	1447.6	1440.6	1433.7	1431.4	1424.4	1415.1
5°	1540.2	1540.2	1542.5	1526.3	1507.8	1486.9	1466.1	1452.2	1452.2	1436.0	1412.8
7.5°	1575.0	1575.0	1575.0	1556.4	1544.8	1530.9	1498.5	1459.1	1456.8	1440.6	1408.2
10°	1575.0	1575.0	1584.2	1556.4	1547.2	1533.3	1514.7	1473.0	1468.4	1431.4	1387.3
12.5°	1602.7	1607.4	1602.7	1572.6	1563.4	1551.8	1526.3	1491.6	1489.3	1440.6	1378.1
15°	1642.1	1644.4	1637.5	1616.6	1607.4	1588.8	1558.7	1521.7	1517.0	1459.1	1385.0
17.5°	1651.4	1653.7	1658.3	1632.9	1632.9	1625.9	1609.7	1565.7	1554.1	1503.2	1405.9
20°	1646.8	1649.1	1656.0	1651.4	1653.7	1649.1	1660.6	1623.6	1609.7	1554.1	1438.3
22.5°	1667.6	1672.2	1686.1	1688.4	1697.7	1707.0	1711.6	1713.9	1704.7	1639.8	1505.5
25°	1674.5	1688.4	1707.0	1732.4	1764.9	1783.4	1808.9	1834.4	1832.0	1767.2	1616.6
27.5°	1642.1	1658.3	1716.2	1755.6	1827.4	1878.4	1936.3	1971.0	1971.0	1917.7	1744.0
30°	1672.2	1679.2	1709.3	1764.9	1848.3	1964.1	2054.4	2098.4	2103.0	2068.3	1869.1
32.5°	1609.7	1625.9	1700.0	1806.6	1933.9	2061.3	2151.7	2246.6	2251.3	2239.7	2052.1
35°	1602.7	1612.0	1653.7	1767.2	1931.6	2151.7	2272.1	2392.5	2404.1	2418.0	2230.4
37.5°	1530.9	1549.5	1630.5	1771.8	1996.5	2211.9	2374.0	2559.3	2577.8	2621.8	2383.3
40°	1454.5	1468.4	1535.6	1688.4	1975.6	2288.3	2473.6	2756.2	2779.3	2816.4	2594.0
42.5°	1350.3	1378.1	1493.9	1653.7	1966.4	2311.5	2584.8	2936.8	2946.1	3010.9	2760.8
45°	1253.0	1262.3	1350.3	1533.3	1885.3	2346.2	2668.2	3140.6	3147.6	3189.3	2899.8
47.5°	1174.3	1185.8	1276.2	1431.4	1811.2	2337.0	2751.5	3337.5	3369.9	3416.3	3068.8
50°	931.1	956.6	1195.1	1343.3	1683.8	2320.7	2818.7	3573.8	3610.8	3654.8	3249.5
52.5°	803.7	815.3	935.7	1255.3	1558.7	2251.3	2881.2	3814.6	3858.6	3835.5	3478.8
55°	748.1	755.1	810.6	1081.6	1447.6	2119.2	2927.6	4039.3	4085.6	3974.4	3659.4
57.5°	708.7	718.0	750.4	884.8	1322.5	1887.6	2932.2	4171.3	4187.5	4090.2	3733.6
60°	655.5	662.4	708.7	773.6	1176.6	1644.4	2848.8	4229.2	4305.6	4213.0	3900.3
62.5°	616.1	623.0	653.1	701.8	1035.3	1449.9	2617.2	4409.9	4460.8	4335.8	3962.9
65°	569.8	569.8	599.9	648.5	945.0	1331.8	2496.8	4352.0	4240.8	4301.0	4039.3
67.5°	502.6	507.2	537.3	576.7	792.1	1218.3	2200.3	4083.3	3967.5	4134.2	3837.8
70°	447.0	442.4	474.8	504.9	648.5	1074.7	1822.8	3805.4	3900.3	3881.8	3652.5
72.5°	372.9	368.3	396.1	428.5	523.4	891.7	1440.6	3532.1	3587.6	3471.8	3240.2
75°	289.5	261.7	301.1	342.8	412.3	706.4	1021.4	2925.2	3133.7	3272.7	2763.1
77.5°	46.3	46.3	57.9	81.1	134.3	359.0	456.3	1607.4	1843.6	2786.3	2422.6
80°	37.1	37.1	41.7	55.6	81.1	196.9	152.9	498.0	555.9	1202.1	1394.3
82.5°	20.8	20.8	30.1	37.1	51.0	60.2	67.2	243.2	271.0	426.2	539.7
85°	11.6	11.6	16.2	18.5	20.8	20.8	20.8	111.2	125.1	227.0	245.5
87.5°	6.9	6.9	6.9	6.9	6.9	4.6	2.3	2.3	2.3	2.3	2.3
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°	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4	1424.4
2.5°	1410.5	1403.6	1392.0	1382.7	1375.8	1368.8	1357.2	1350.3	1350.3	1361.9	1364.2
5°	1398.9	1382.7	1361.9	1352.6	1341.0	1329.4	1310.9	1301.7	1299.3	1306.3	1310.9
7.5°	1389.7	1366.5	1345.7	1322.5	1287.8	1257.6	1241.4	1229.9	1234.5	1246.1	1241.4
10°	1361.9	1341.0	1308.6	1273.9	1232.2	1206.7	1181.2	1167.3	1169.6	1176.6	1169.6
12.5°	1350.3	1322.5	1269.2	1227.5	1190.5	1141.8	1109.4	1088.6	1088.6	1100.2	1100.2
15°	1350.3	1308.6	1236.8	1185.8	1127.9	1079.3	1042.2	1023.7	1035.3	1028.4	1023.7
17.5°	1361.9	1297.0	1216.0	1130.3	1060.8	1012.1	968.1	942.7	949.6	954.2	949.6
20°	1375.8	1297.0	1190.5	1086.3	1005.2	935.7	887.1	859.3	857.0	859.3	863.9
22.5°	1422.1	1327.1	1174.3	1058.5	935.7	868.5	819.9	771.3	768.9	766.6	771.3
25°	1500.8	1382.7	1185.8	1007.5	896.3	796.7	736.5	694.8	680.9	678.6	683.3
27.5°	1630.5	1480.0	1204.4	1000.6	824.5	734.2	660.1	613.8	599.9	604.5	602.2
30°	1771.8	1605.1	1257.6	951.9	782.8	641.6	572.1	532.7	518.8	509.5	511.9
32.5°	1876.0	1730.1	1324.8	935.7	701.8	542.0	491.0	467.9	451.6	440.1	437.7
35°	2040.5	1836.7	1385.0	898.6	630.0	477.1	435.4	410.0	400.7	393.7	393.7
37.5°	2198.0	1966.4	1445.3	887.1	537.3	433.1	382.2	365.9	361.3	356.7	356.7
40°	2355.5	2098.4	1480.0	840.7	463.2	379.8	331.2	328.9	335.8	331.2	333.5
42.5°	2550.0	2235.0	1514.7	796.7	410.0	324.3	296.5	315.0	328.9	331.2	331.2
45°	2684.4	2327.7	1528.6	690.2	354.4	282.6	289.5	310.4	326.6	333.5	331.2
47.5°	2807.1	2452.8	1507.8	560.5	308.0	275.6	287.2	301.1	324.3	333.5	333.5
50°	2927.6	2557.0	1489.3	414.6	291.8	277.9	287.2	294.1	319.6	328.9	328.9
52.5°	3096.6	2640.4	1426.7	347.4	277.9	280.2	294.1	291.8	312.7	326.6	331.2
55°	3330.6	2834.9	1306.3	328.9	275.6	277.9	294.1	294.1	308.0	319.6	326.6
57.5°	3434.8	2918.3	1102.5	310.4	268.7	275.6	287.2	289.5	305.7	312.7	310.4
60°	3552.9	3022.5	903.3	289.5	257.1	271.0	275.6	284.9	296.5	296.5	294.1
62.5°	3624.7	3048.0	752.7	266.4	243.2	254.8	254.8	264.0	273.3	273.3	273.3
65°	3659.4	3022.5	562.8	245.5	227.0	236.2	233.9	238.6	245.5	233.9	233.9
67.5°	3522.8	2927.6	389.1	217.7	208.4	217.7	215.4	217.7	215.4	206.1	208.4
70°	3288.9	2661.2	268.7	185.3	183.0	199.2	201.5	196.9	183.0	176.0	176.0
72.5°	2994.7	2135.4	185.3	148.2	155.2	176.0	180.7	171.4	157.5	150.5	150.5
75°	2716.8	1845.9	132.0	101.9	104.2	134.3	143.6	143.6	139.0	185.3	196.9
77.5°	1889.9	1195.1	76.4	53.3	51.0	76.4	88.0	90.3	173.7	187.6	183.0
80°	1121.0	562.8	55.6	32.4	32.4	44.0	60.2	118.1	199.2	134.3	120.4
82.5°	428.5	215.4	34.7	20.8	18.5	23.2	34.7	183.0	115.8	76.4	69.5
85°	155.2	53.3	16.2	11.6	11.6	13.9	20.8	155.2	81.1	57.9	55.6
87.5°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	4.6	4.6	4.6	2.3
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)