

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: P691626

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6813 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

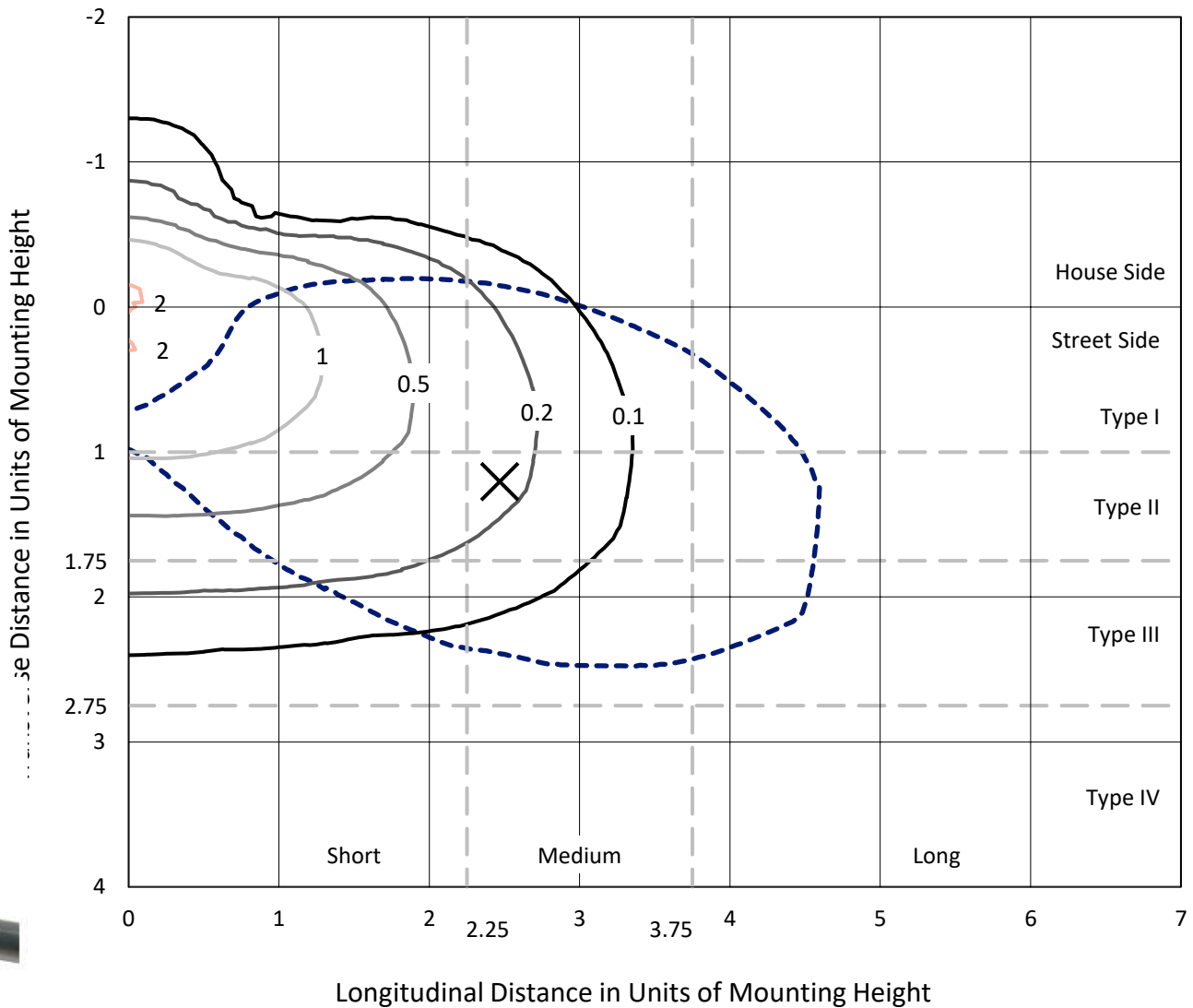


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

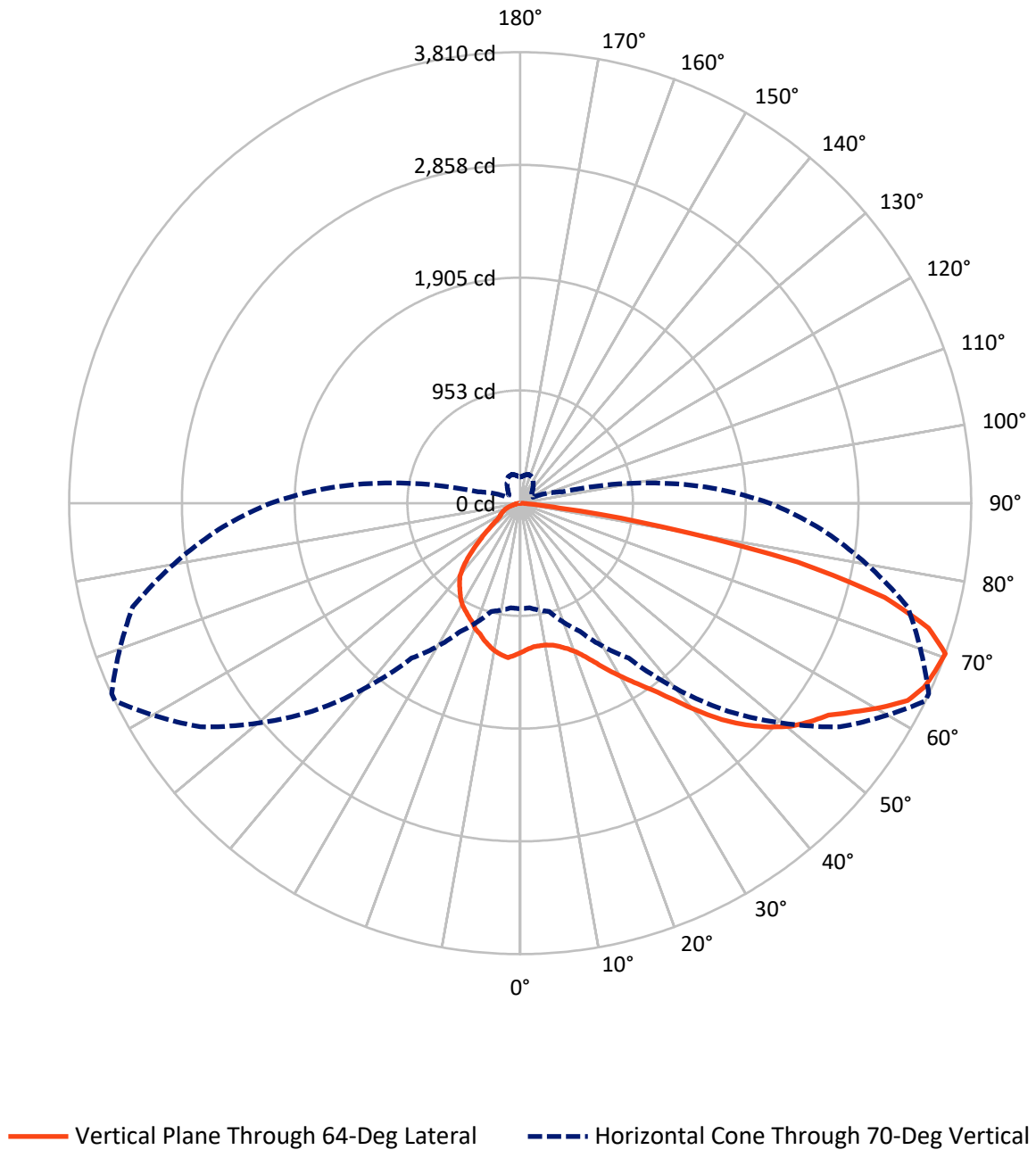


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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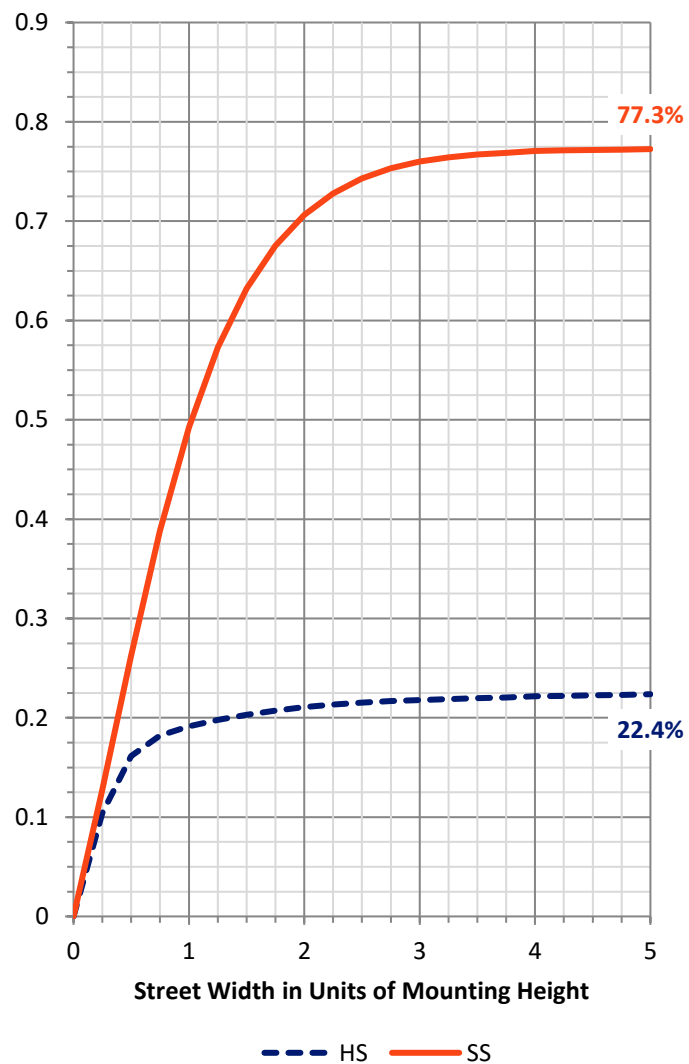
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1547.7	0.0	1547.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5265.3	0.0	5265.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	6813.0	0.0	6813.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	1.8
10°-20°	355.3	5.2
20°-30°	589.8	8.7
30°-40°	843.6	12.4
40°-50°	1126.5	16.5
50°-60°	1361.4	20.0
60°-70°	1448.9	21.3
70°-80°	890.1	13.1
80°-90°	76.2	1.1
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°	6813.0	100.0
0°-180°	6813.0	100.0

Coefficient of Utilization



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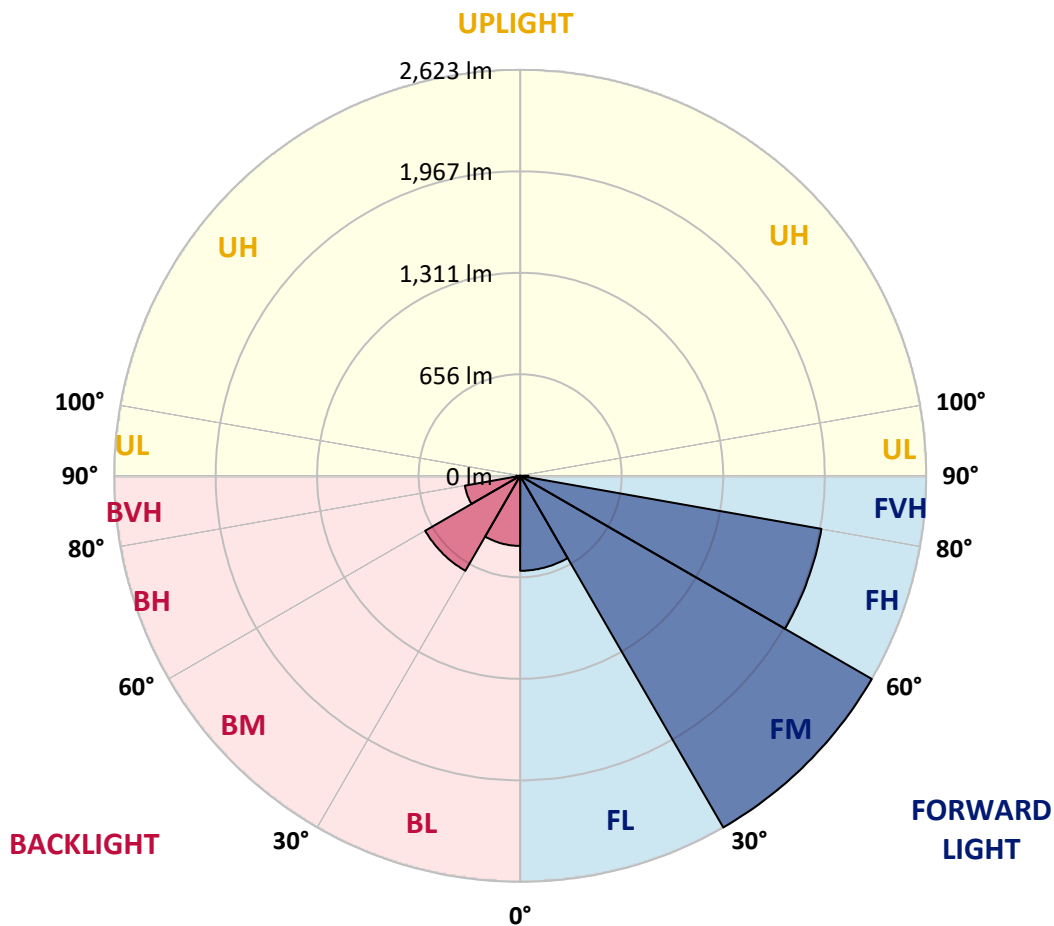
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	613.5	9.0			
FM	(30°-60°)	2622.9	38.5			
FH	(60°-80°)	1976.0	29.0			G2/5000
FVH	(80°-90°)	52.9	0.8			G1/100
BL	(0°-30°)	452.8	6.6	B1/500		
BM	(30°-60°)	708.6	10.4	B1/1000		
BH	(60°-80°)	363.0	5.3	B1/500		G1/500
BVH	(80°-90°)	23.3	0.3			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1
2.5°	1230.0	1230.0	1230.0	1230.0	1232.3	1234.6	1232.3	1234.6	1234.6	1239.2	1246.2
5°	1250.8	1250.8	1246.2	1236.9	1230.0	1220.7	1216.1	1218.4	1218.4	1230.0	1248.5
7.5°	1257.8	1257.8	1253.1	1253.1	1246.2	1225.3	1218.4	1216.1	1218.4	1223.0	1248.5
10°	1292.5	1290.2	1278.6	1264.7	1255.4	1236.9	1220.7	1218.4	1220.7	1227.7	1255.4
12.5°	1329.6	1329.6	1324.9	1313.4	1287.9	1269.3	1241.6	1232.3	1230.0	1236.9	1253.1
15°	1403.7	1394.4	1375.9	1359.7	1341.2	1311.0	1274.0	1257.8	1253.1	1262.4	1255.4
17.5°	1447.7	1440.8	1443.1	1417.6	1401.4	1359.7	1322.6	1292.5	1290.2	1299.5	1269.3
20°	1496.3	1494.0	1498.7	1496.3	1470.9	1433.8	1375.9	1338.8	1334.2	1336.5	1290.2
22.5°	1570.5	1570.5	1568.2	1568.2	1554.3	1510.2	1445.4	1408.3	1401.4	1385.2	1324.9
25°	1651.5	1651.5	1651.5	1656.2	1656.2	1605.2	1540.4	1498.7	1494.0	1470.9	1382.8
27.5°	1728.0	1732.6	1734.9	1737.2	1744.2	1721.0	1649.2	1600.6	1598.3	1568.2	1459.3
30°	1788.2	1790.5	1811.4	1816.0	1829.9	1822.9	1753.5	1707.1	1711.8	1672.4	1545.0
32.5°	1841.5	1843.8	1873.9	1890.1	1906.3	1908.7	1850.7	1818.3	1818.3	1783.6	1649.2
35°	1892.4	1894.8	1931.8	1971.2	2003.6	1994.4	1961.9	1943.4	1950.3	1938.8	1792.8
37.5°	1936.4	1945.7	1994.4	2052.3	2089.3	2096.3	2082.4	2107.9	2121.8	2140.3	1987.4
40°	1978.1	1982.8	2029.1	2089.3	2151.9	2184.3	2200.5	2304.7	2318.6	2332.5	2098.6
42.5°	1938.8	1948.0	2047.6	2138.0	2216.7	2272.3	2348.8	2501.6	2531.7	2455.3	2249.2
45°	1892.4	1904.0	2003.6	2156.5	2267.7	2369.6	2510.9	2673.0	2696.2	2580.4	2330.2
47.5°	1853.1	1867.0	1968.9	2140.3	2321.0	2501.6	2642.9	2825.9	2839.8	2686.9	2441.4
50°	1809.0	1820.6	1929.5	2119.4	2348.8	2622.1	2781.9	2964.9	2969.5	2775.0	2499.3
52.5°	1751.1	1762.7	1873.9	2087.0	2369.6	2703.2	2897.7	3066.8	3048.3	2888.5	2566.5
55°	1677.0	1693.2	1813.7	2043.0	2381.2	2751.8	2976.5	3161.8	3152.5	3022.8	2654.5
57.5°	1598.3	1614.5	1737.2	1982.8	2369.6	2781.9	3057.5	3326.2	3323.9	3131.7	2719.4
60°	1510.2	1524.1	1628.4	1904.0	2307.1	2830.5	3235.9	3504.6	3523.1	3254.4	2744.8
62.5°	1394.4	1396.7	1501.0	1790.5	2226.0	2865.3	3363.3	3673.7	3662.1	3335.5	2749.5
65°	1241.6	1248.5	1341.2	1633.0	2094.0	2837.5	3395.7	3750.1	3750.1	3395.7	2744.8
67.5°	1093.3	1091.0	1169.7	1436.1	1890.1	2714.7	3367.9	3782.6	3798.8	3435.1	2684.6
70°	891.8	887.2	947.4	1195.2	1598.3	2487.7	3296.1	3810.4	3808.0	3388.8	2557.2
72.5°	660.2	657.8	699.5	905.7	1223.0	2128.7	3083.0	3606.5	3583.4	3166.4	2309.4
75°	366.0	347.4	345.1	560.6	711.1	1491.7	2619.8	3180.3	3189.6	2798.1	1934.1
77.5°	53.3	55.6	57.9	101.9	122.8	558.2	1702.5	2397.4	2392.8	2158.8	1410.6
80°	37.1	39.4	41.7	51.0	57.9	132.0	588.3	1209.1	1278.6	1135.0	650.9
82.5°	27.8	27.8	30.1	34.7	32.4	60.2	183.0	335.9	347.4	315.0	192.3
85°	18.5	18.5	16.2	18.5	11.6	16.2	41.7	62.5	67.2	64.9	53.3
87.5°	9.3	9.3	6.9	6.9	4.6	4.6	4.6	2.3	4.6	2.3	4.6
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°	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1
2.5°	1253.1	1257.8	1271.7	1283.2	1297.1	1313.4	1322.6	1331.9	1341.2	1336.5	1343.5
5°	1257.8	1267.0	1287.9	1308.7	1320.3	1322.6	1324.9	1331.9	1345.8	1345.8	1357.4
7.5°	1262.4	1278.6	1278.6	1290.2	1306.4	1311.0	1313.4	1318.0	1324.9	1327.3	1324.9
10°	1262.4	1255.4	1267.0	1269.3	1262.4	1274.0	1280.9	1278.6	1285.6	1287.9	1287.9
12.5°	1248.5	1246.2	1236.9	1236.9	1234.6	1216.1	1216.1	1234.6	1234.6	1246.2	1248.5
15°	1248.5	1230.0	1218.4	1202.2	1186.0	1179.0	1169.7	1155.8	1160.5	1176.7	1181.3
17.5°	1246.2	1225.3	1190.6	1158.2	1146.6	1118.8	1109.5	1109.5	1107.2	1116.5	1118.8
20°	1255.4	1225.3	1172.1	1135.0	1072.5	1063.2	1044.7	1047.0	1049.3	1035.4	1028.4
22.5°	1280.9	1243.9	1158.2	1086.4	1037.7	996.0	961.3	938.1	935.8	928.8	935.8
25°	1320.3	1276.3	1160.5	1058.6	979.8	919.6	896.4	840.8	815.3	817.7	831.6
27.5°	1392.1	1315.7	1172.1	1028.4	933.5	847.8	773.7	738.9	711.1	711.1	715.7
30°	1459.3	1375.9	1167.4	1003.0	861.7	755.1	660.2	604.6	595.3	586.0	583.7
32.5°	1584.4	1452.3	1213.8	965.9	794.5	637.0	542.0	465.6	472.5	474.8	479.5
35°	1709.4	1575.1	1223.0	919.6	697.2	518.9	419.3	377.6	396.1	400.7	405.4
37.5°	1876.2	1728.0	1285.6	877.9	597.6	398.4	333.6	315.0	333.6	333.6	335.9
40°	1966.6	1799.8	1336.5	836.2	467.9	294.2	261.7	247.8	271.0	289.5	294.2
42.5°	2094.0	1892.4	1382.8	752.8	331.2	220.1	201.5	229.3	266.4	284.9	287.2
45°	2158.8	1938.8	1366.6	641.6	217.7	178.4	196.9	231.6	268.7	287.2	289.5
47.5°	2246.8	2003.6	1334.2	511.9	173.7	176.0	199.2	238.6	275.6	291.9	294.2
50°	2332.5	2070.8	1250.8	407.7	166.8	176.0	203.8	240.9	273.3	284.9	282.6
52.5°	2381.2	2133.3	1144.3	310.4	166.8	178.4	208.5	245.5	271.0	273.3	273.3
55°	2425.2	2140.3	1056.2	240.9	164.5	180.7	213.1	250.2	273.3	273.3	268.7
57.5°	2453.0	2112.5	989.1	208.5	164.5	180.7	213.1	250.2	284.9	291.9	284.9
60°	2441.4	2059.2	942.7	194.6	159.8	178.4	210.8	257.1	349.8	366.0	352.1
62.5°	2413.6	2029.1	843.1	178.4	152.9	171.4	206.2	278.0	375.2	377.6	366.0
65°	2388.1	1929.5	722.7	159.8	143.6	164.5	199.2	282.6	317.3	305.8	303.4
67.5°	2272.3	1799.8	551.3	141.3	129.7	155.2	192.3	259.4	282.6	268.7	264.1
70°	2107.9	1572.8	368.3	120.4	115.8	143.6	192.3	243.2	252.5	229.3	220.1
72.5°	1806.7	1301.8	201.5	97.3	97.3	132.0	173.7	227.0	233.9	206.2	189.9
75°	1470.9	942.7	129.7	74.1	74.1	111.2	157.5	215.4	229.3	199.2	178.4
77.5°	1012.2	516.5	90.3	53.3	48.6	85.7	125.1	176.0	203.8	171.4	145.9
80°	342.8	136.7	57.9	34.7	30.1	48.6	83.4	136.7	185.3	176.0	157.5
82.5°	134.3	85.7	39.4	23.2	20.8	23.2	41.7	85.7	148.2	159.8	185.3
85°	39.4	23.2	13.9	11.6	11.6	11.6	11.6	34.7	88.0	115.8	145.9
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	20.8	37.1	48.6
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)