

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: P690842

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690842
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-C01-5TLD-U-T2-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8374 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

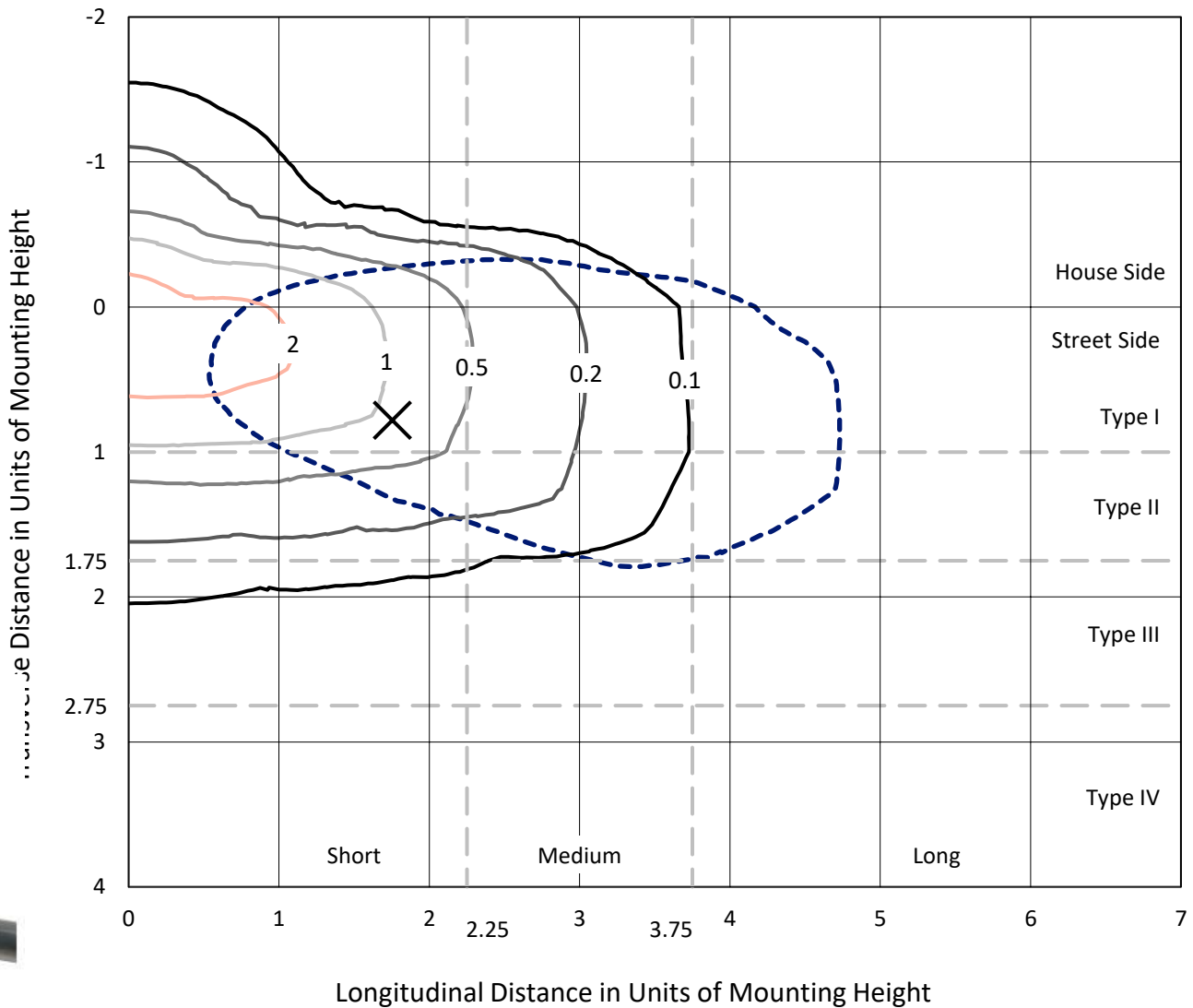
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

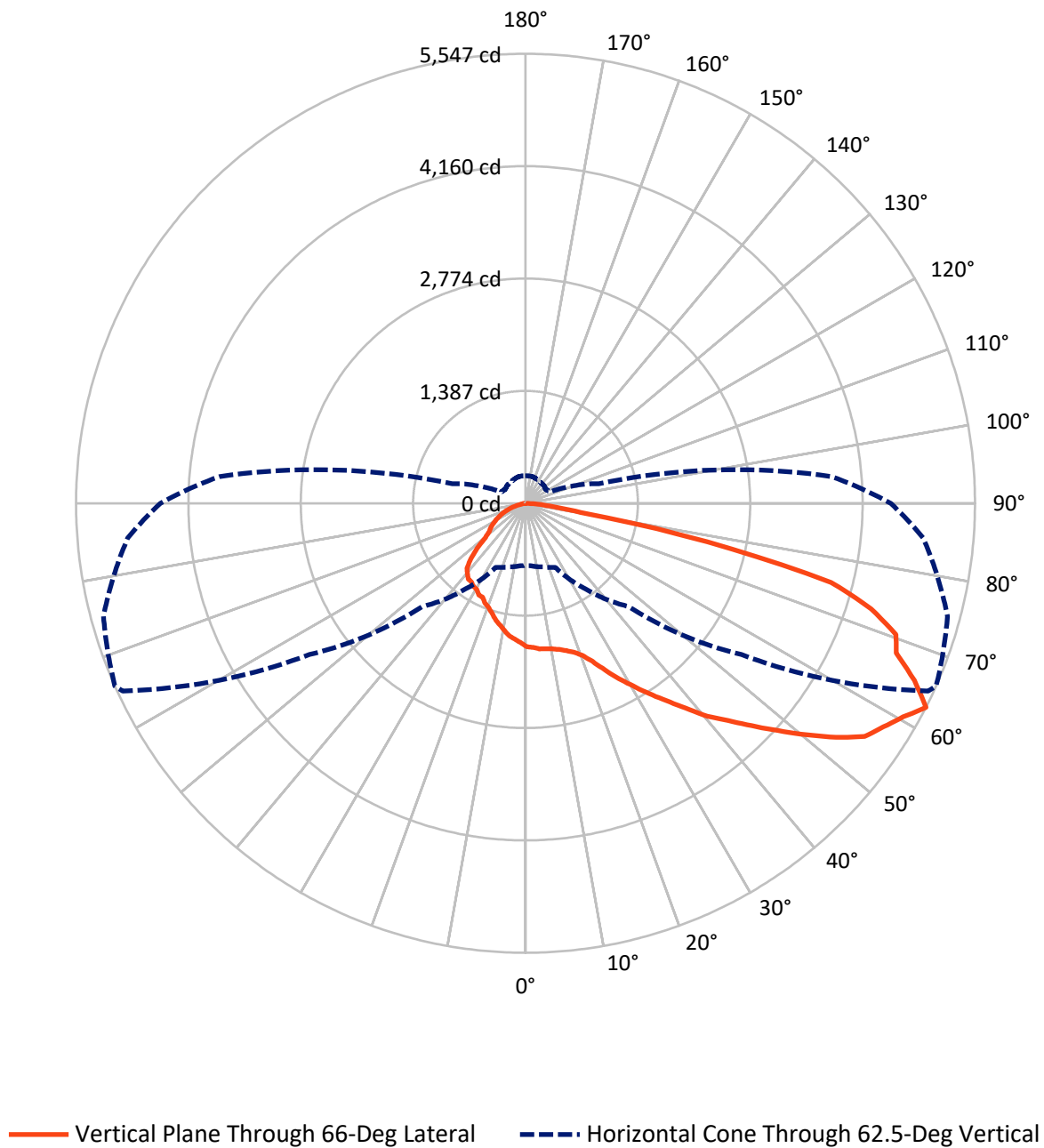


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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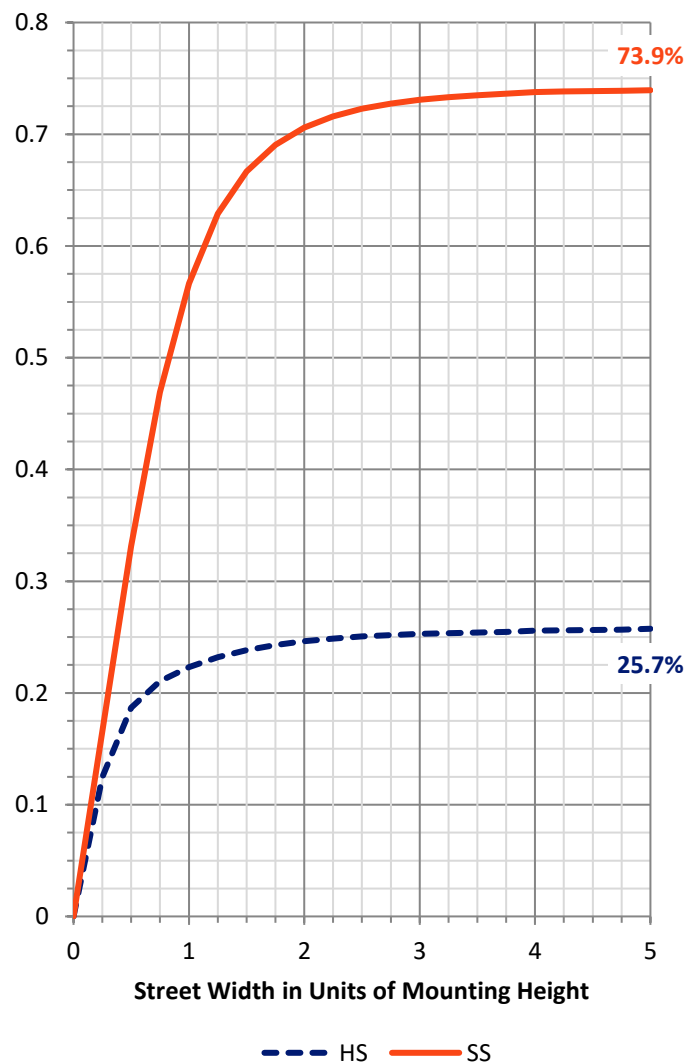
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2188.1	0.0	2188.1
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6185.9	0.0	6185.9
	% Fixture	73.9	0.0	73.9
Total	Lumens	8374.0	0.0	8374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.7	2.0
10°-20°	470.3	5.6
20°-30°	763.6	9.1
30°-40°	1101.3	13.2
40°-50°	1432.5	17.1
50°-60°	1663.9	19.9
60°-70°	1646.2	19.7
70°-80°	1019.7	12.2
80°-90°	110.7	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°	8374.0	100.0
0°-180°	8374.0	100.0

Coefficient of Utilization



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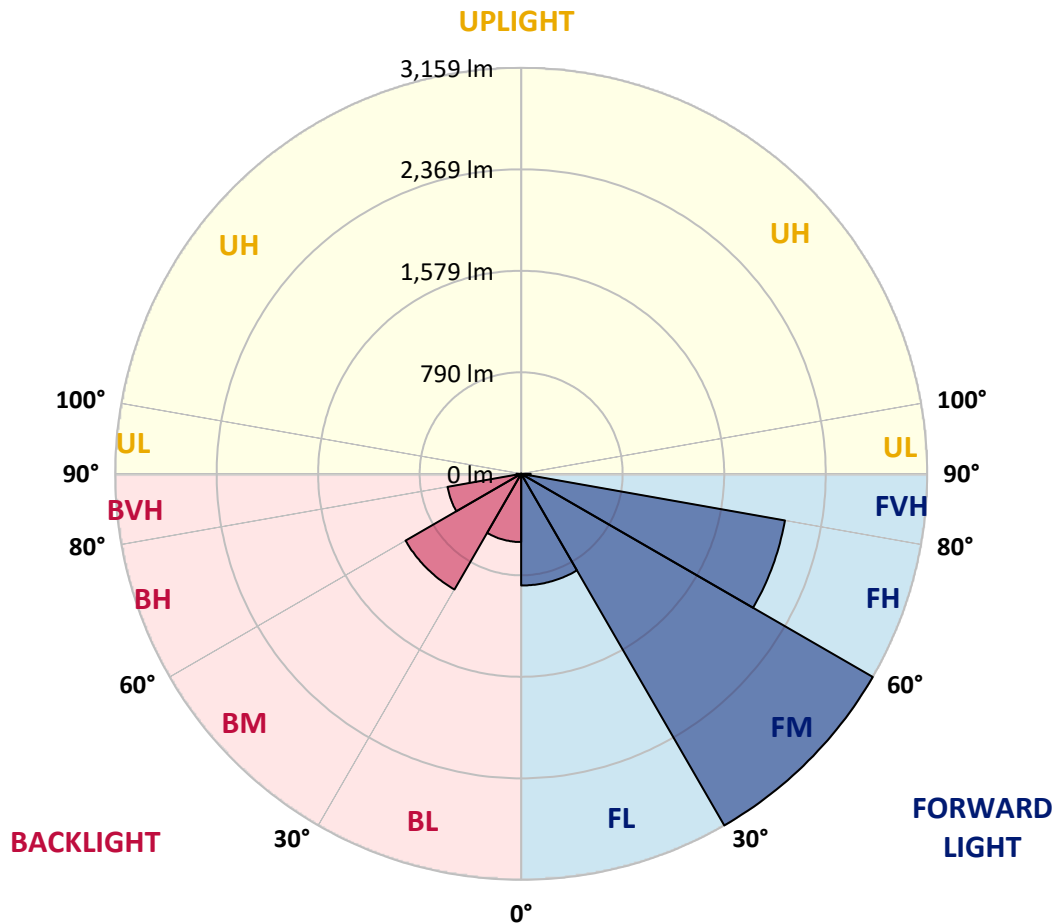
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	868.8	10.4			
FM	(30°-60°)	3158.8	37.7			
FH	(60°-80°)	2084.0	24.9			G2/5000
FVH	(80°-90°)	74.3	0.9			G1/100
BL	(0°-30°)	530.8	6.3	B2/1000		
BM	(30°-60°)	1039.0	12.4	B2/2500		
BH	(60°-80°)	581.9	6.9	B2/1000		G2/1000
BVH	(80°-90°)	36.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3
2.5°	1834.7	1834.7	1840.4	1820.3	1808.7	1800.1	1791.5	1782.8	1779.9	1771.3	1759.8
5°	1915.3	1915.3	1918.2	1898.0	1875.0	1849.1	1823.1	1805.9	1805.9	1785.7	1756.9
7.5°	1958.5	1958.5	1958.5	1935.5	1921.1	1903.8	1863.5	1814.5	1811.6	1791.5	1751.1
10°	1958.5	1958.5	1970.0	1935.5	1924.0	1906.7	1883.6	1831.8	1826.0	1779.9	1725.2
12.5°	1993.1	1998.8	1993.1	1955.6	1944.1	1929.7	1898.0	1854.8	1851.9	1791.5	1713.7
15°	2042.0	2044.9	2036.3	2010.4	1998.8	1975.8	1938.4	1892.3	1886.5	1814.5	1722.3
17.5°	2053.6	2056.4	2062.2	2030.5	2030.5	2021.9	2001.7	1947.0	1932.6	1869.2	1748.3
20°	2047.8	2050.7	2059.3	2053.6	2056.4	2050.7	2065.1	2019.0	2001.7	1932.6	1788.6
22.5°	2073.7	2079.5	2096.8	2099.6	2111.2	2122.7	2128.4	2131.3	2119.8	2039.2	1872.1
25°	2082.4	2099.6	2122.7	2154.4	2194.7	2217.7	2249.4	2281.1	2278.2	2197.6	2010.4
27.5°	2042.0	2062.2	2134.2	2183.2	2272.5	2335.8	2407.8	2451.0	2451.0	2384.8	2168.8
30°	2079.5	2088.1	2125.6	2194.7	2298.4	2442.4	2554.7	2609.4	2615.2	2572.0	2324.3
32.5°	2001.7	2021.9	2114.0	2246.5	2404.9	2563.4	2675.7	2793.8	2799.5	2785.1	2551.8
35°	1993.1	2004.6	2056.4	2197.6	2402.1	2675.7	2825.4	2975.2	2989.6	3006.9	2773.6
37.5°	1903.8	1926.8	2027.6	2203.3	2482.7	2750.6	2952.2	3182.6	3205.6	3260.4	2963.7
40°	1808.7	1826.0	1909.6	2099.6	2456.8	2845.6	3076.0	3427.4	3456.2	3502.3	3225.8
42.5°	1679.1	1713.7	1857.7	2056.4	2445.3	2874.4	3214.3	3652.1	3663.6	3744.2	3433.2
45°	1558.2	1569.7	1679.1	1906.7	2344.5	2917.6	3318.0	3905.5	3914.2	3966.0	3606.0
47.5°	1460.2	1474.6	1587.0	1779.9	2252.3	2906.1	3421.6	4150.3	4190.6	4248.3	3816.2
50°	1157.8	1189.5	1486.2	1670.5	2093.9	2885.9	3505.2	4444.1	4490.2	4544.9	4040.9
52.5°	999.4	1013.8	1163.6	1561.1	1938.4	2799.5	3582.9	4743.6	4798.4	4769.6	4326.0
55°	930.3	938.9	1008.1	1345.0	1800.1	2635.4	3640.5	5023.0	5080.6	4942.4	4550.7
57.5°	881.3	892.9	933.2	1100.2	1644.6	2347.3	3646.3	5187.2	5207.3	5086.4	4642.8
60°	815.1	823.7	881.3	962.0	1463.1	2044.9	3542.6	5259.2	5354.2	5239.0	4850.2
62.5°	766.1	774.8	812.2	872.7	1287.4	1803.0	3254.6	5483.8	5547.2	5391.7	4928.0
65°	708.5	708.5	746.0	806.4	1175.1	1656.1	3104.8	5411.8	5273.6	5348.5	5023.0
67.5°	625.0	630.8	668.2	717.2	985.0	1515.0	2736.2	5077.7	4933.7	5141.1	4772.4
70°	555.9	550.1	590.4	627.9	806.4	1336.4	2266.7	4732.1	4850.2	4827.2	4542.0
72.5°	463.7	457.9	492.5	532.8	650.9	1108.9	1791.5	4392.3	4461.4	4317.4	4029.4
75°	360.0	325.5	374.4	426.3	512.7	878.5	1270.2	3637.7	3896.9	4069.7	3436.0
77.5°	57.6	57.6	72.0	100.8	167.0	446.4	567.4	1998.8	2292.6	3464.8	3012.7
80°	46.1	46.1	51.8	69.1	100.8	244.8	190.1	619.2	691.2	1494.8	1733.9
82.5°	25.9	25.9	37.4	46.1	63.4	74.9	83.5	302.4	337.0	530.0	671.1
85°	14.4	14.4	20.2	23.0	25.9	25.9	25.9	138.2	155.5	282.3	305.3
87.5°	8.6	8.6	8.6	8.6	8.6	5.8	2.9	2.9	2.9	2.9	2.9
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°	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3
2.5°	1754.0	1745.4	1731.0	1719.5	1710.8	1702.2	1687.8	1679.1	1679.1	1693.5	1696.4
5°	1739.6	1719.5	1693.5	1682.0	1667.6	1653.2	1630.2	1618.7	1615.8	1624.4	1630.2
7.5°	1728.1	1699.3	1673.4	1644.6	1601.4	1563.9	1543.8	1529.4	1535.1	1549.5	1543.8
10°	1693.5	1667.6	1627.3	1584.1	1532.3	1500.6	1468.9	1451.6	1454.5	1463.1	1454.5
12.5°	1679.1	1644.6	1578.3	1526.5	1480.4	1419.9	1379.6	1353.7	1353.7	1368.1	1368.1
15°	1679.1	1627.3	1538.0	1474.6	1402.6	1342.2	1296.1	1273.0	1287.4	1278.8	1273.0
17.5°	1693.5	1612.9	1512.1	1405.5	1319.1	1258.6	1203.9	1172.2	1180.9	1186.6	1180.9
20°	1710.8	1612.9	1480.4	1350.8	1250.0	1163.6	1103.1	1068.5	1065.7	1068.5	1074.3
22.5°	1768.4	1650.3	1460.2	1316.2	1163.6	1080.1	1019.6	959.1	956.2	953.3	959.1
25°	1866.4	1719.5	1474.6	1252.9	1114.6	990.8	915.9	864.1	846.8	843.9	849.7
27.5°	2027.6	1840.4	1497.7	1244.2	1025.3	913.0	820.8	763.2	746.0	751.7	748.8
30°	2203.3	1996.0	1563.9	1183.8	973.5	797.8	711.4	662.4	645.2	633.6	636.5
32.5°	2332.9	2151.5	1647.5	1163.6	872.7	674.0	610.6	581.8	561.6	547.2	544.4
35°	2537.4	2284.0	1722.3	1117.5	783.4	593.3	541.5	509.8	498.3	489.6	489.6
37.5°	2733.3	2445.3	1797.2	1103.1	668.2	538.6	475.2	455.1	449.3	443.5	443.5
40°	2929.1	2609.4	1840.4	1045.5	576.0	472.3	411.9	409.0	417.6	411.9	414.7
42.5°	3171.1	2779.4	1883.6	990.8	509.8	403.2	368.7	391.7	409.0	411.9	411.9
45°	3338.1	2894.6	1900.9	858.3	440.7	351.4	360.0	385.9	406.1	414.7	411.9
47.5°	3490.8	3050.1	1875.0	697.0	383.1	342.7	357.1	374.4	403.2	414.7	414.7
50°	3640.5	3179.7	1851.9	515.6	362.9	345.6	357.1	365.8	397.5	409.0	409.0
52.5°	3850.8	3283.4	1774.2	432.0	345.6	348.5	365.8	362.9	388.8	406.1	411.9
55°	4141.7	3525.3	1624.4	409.0	342.7	345.6	365.8	365.8	383.1	397.5	406.1
57.5°	4271.3	3629.0	1371.0	385.9	334.1	342.7	357.1	360.0	380.2	388.8	385.9
60°	4418.2	3758.6	1123.3	360.0	319.7	337.0	342.7	354.3	368.7	368.7	365.8
62.5°	4507.5	3790.3	936.1	331.2	302.4	316.8	316.8	328.3	339.9	339.9	339.9
65°	4550.7	3758.6	699.9	305.3	282.3	293.8	290.9	296.7	305.3	290.9	290.9
67.5°	4380.7	3640.5	483.9	270.7	259.2	270.7	267.9	270.7	267.9	256.3	259.2
70°	4089.8	3309.3	334.1	230.4	227.5	247.7	250.6	244.8	227.5	218.9	218.9
72.5°	3724.1	2655.5	230.4	184.3	193.0	218.9	224.7	213.1	195.9	187.2	187.2
75°	3378.4	2295.5	164.2	126.7	129.6	167.0	178.6	178.6	172.8	230.4	244.8
77.5°	2350.2	1486.2	95.0	66.2	63.4	95.0	109.4	112.3	216.0	233.3	227.5
80°	1394.0	699.9	69.1	40.3	40.3	54.7	74.9	146.9	247.7	167.0	149.8
82.5°	532.8	267.9	43.2	25.9	23.0	28.8	43.2	227.5	144.0	95.0	86.4
85°	193.0	66.2	20.2	14.4	14.4	17.3	25.9	193.0	100.8	72.0	69.1
87.5°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	5.8	5.8	5.8	2.9
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)