

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: P690857

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6715 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - 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

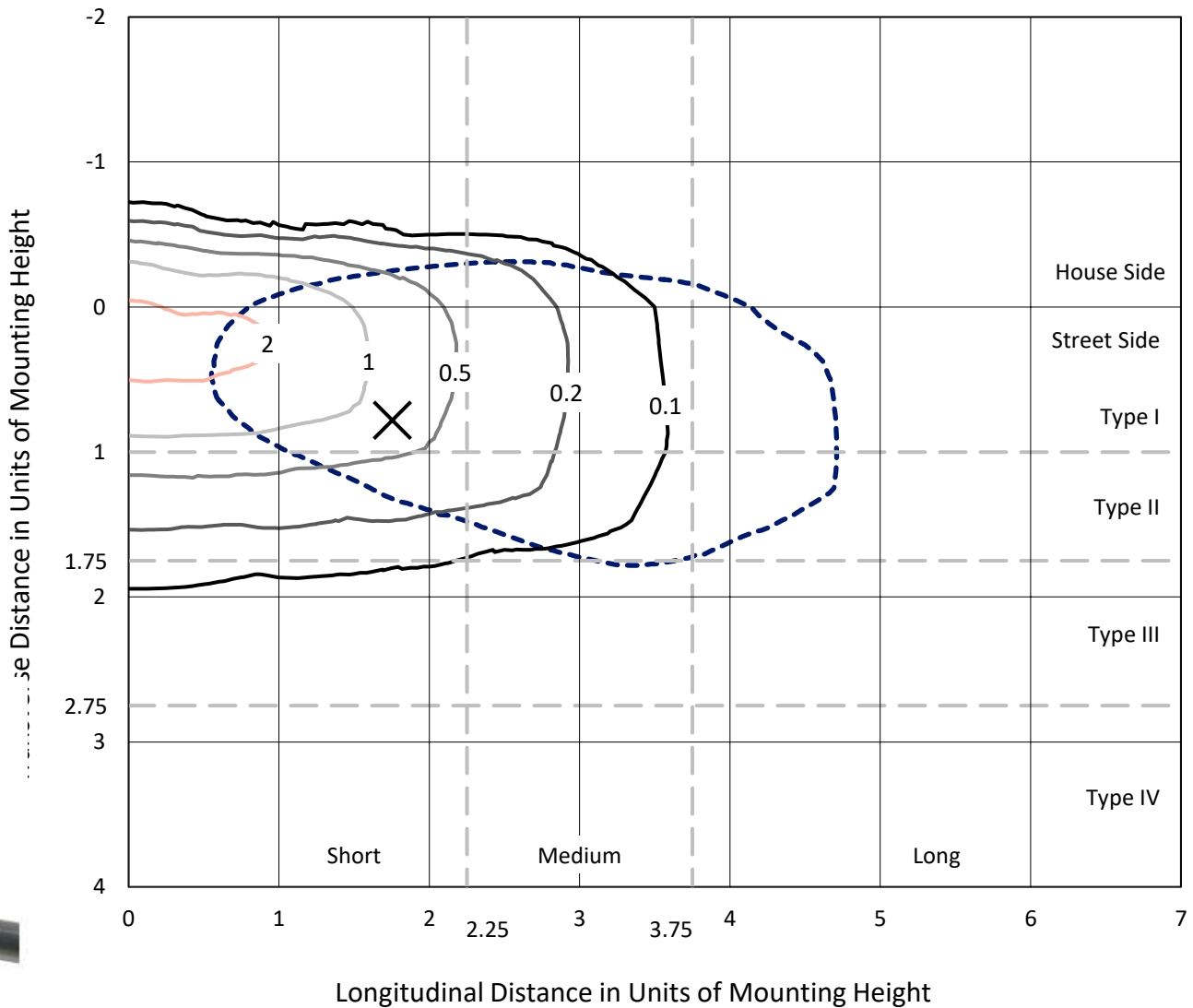


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

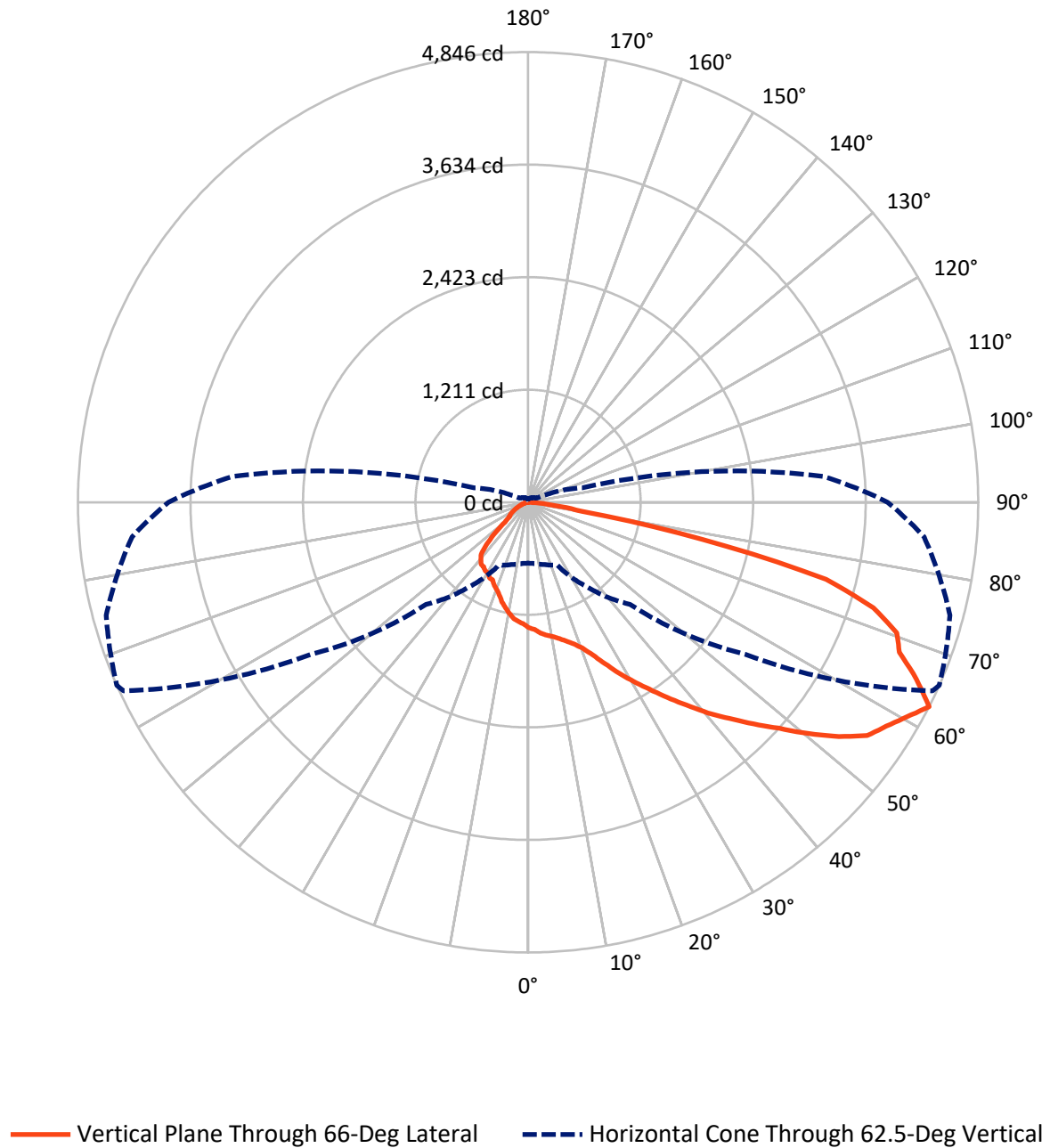


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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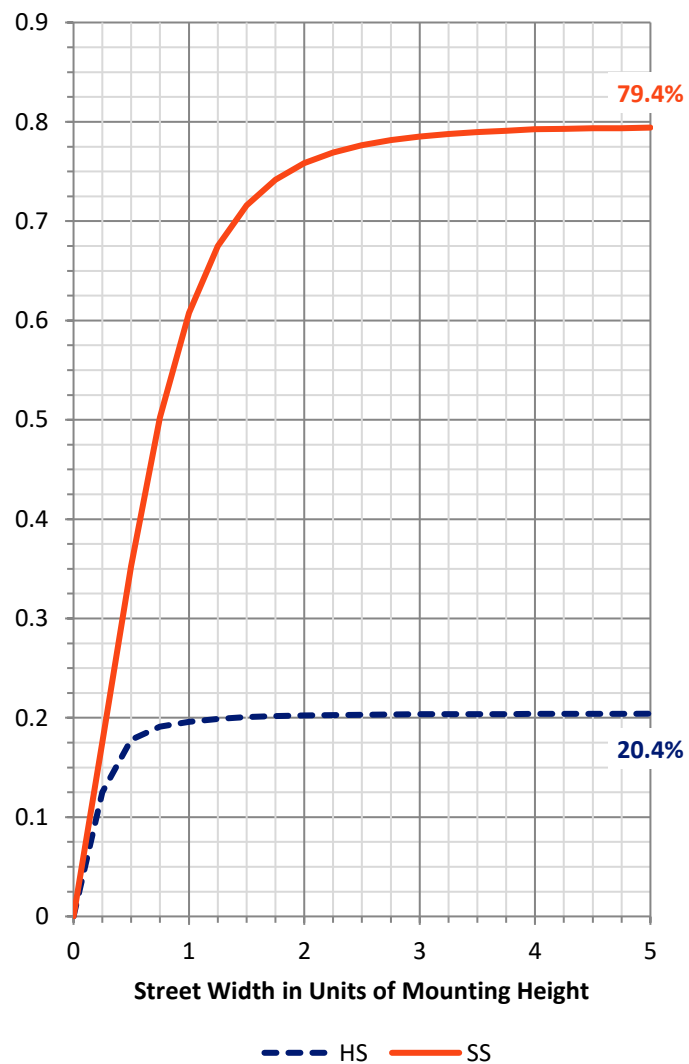
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1387.2	0.0	1387.2
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	5327.8	0.0	5327.8
	% Fixture	79.3	0.0	79.3
Total	Lumens	6715.0	0.0	6715.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.6	1.9
10°-20°	363.5	5.4
20°-30°	596.3	8.9
30°-40°	877.4	13.1
40°-50°	1157.2	17.2
50°-60°	1347.1	20.1
60°-70°	1338.6	19.9
70°-80°	828.1	12.3
80°-90°	79.2	1.2
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°	6715.0	100.0
0°-180°	6715.0	100.0

Coefficient of Utilization



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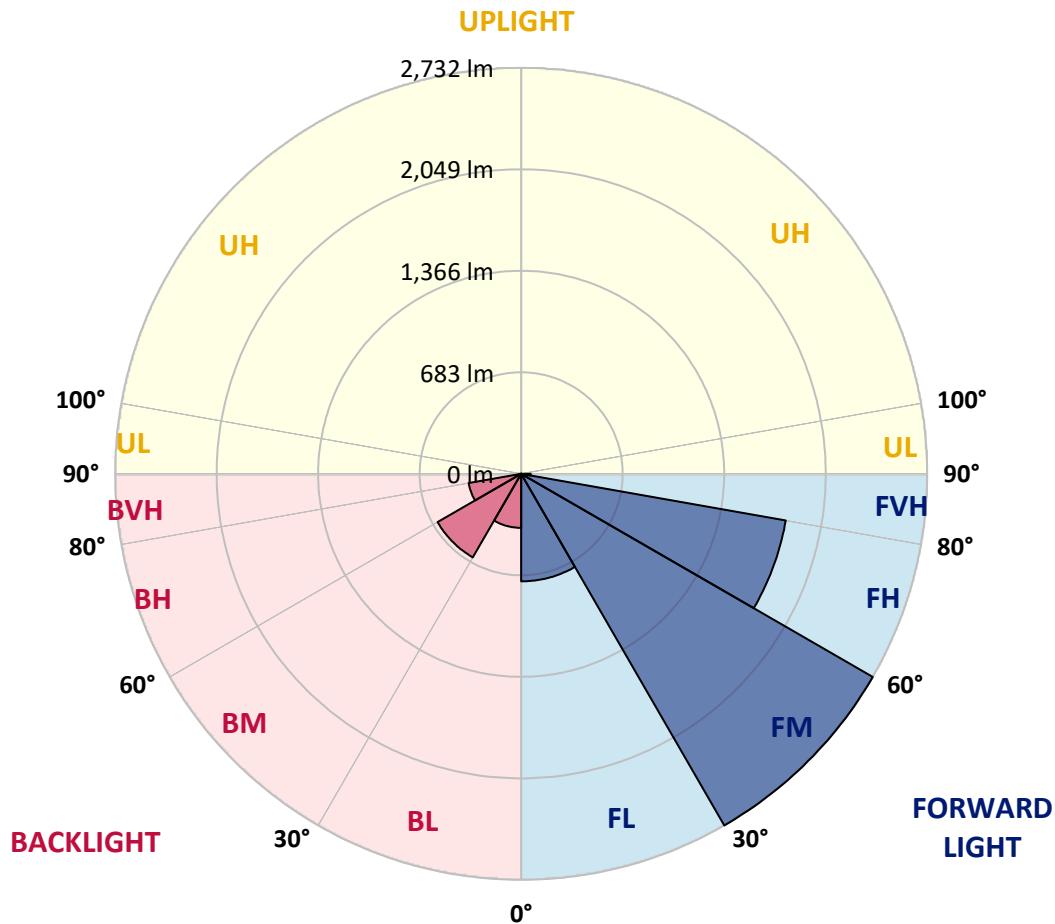
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	723.6	10.8			
FM	(30°-60°)	2732.3	40.7			
FH	(60°-80°)	1808.1	26.9			G2/5000
FVH	(80°-90°)	64.0	1.0			G1/100
BL	(0°-30°)	363.8	5.4	B1/500		
BM	(30°-60°)	649.5	9.7	B1/1000		
BH	(60°-80°)	358.6	5.3	B1/500		G1/500
BVH	(80°-90°)	15.2	0.2			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3
2.5°	1427.2	1427.2	1424.7	1407.0	1399.4	1389.2	1381.7	1374.1	1371.5	1363.9	1351.3
5°	1510.7	1508.2	1508.2	1493.0	1477.8	1457.6	1437.3	1417.1	1414.6	1394.3	1366.5
7.5°	1558.8	1558.8	1553.7	1543.6	1533.5	1520.8	1490.5	1447.5	1444.9	1417.1	1379.1
10°	1571.4	1574.0	1584.1	1558.8	1551.2	1538.5	1523.4	1477.8	1470.2	1429.7	1369.0
12.5°	1617.0	1617.0	1614.5	1591.7	1584.1	1574.0	1548.7	1513.2	1505.7	1455.0	1371.5
15°	1672.7	1675.2	1667.6	1647.4	1637.2	1624.6	1591.7	1553.7	1551.2	1485.4	1391.8
17.5°	1700.5	1700.5	1705.6	1677.7	1680.3	1675.2	1660.0	1606.9	1604.3	1543.6	1427.2
20°	1710.6	1713.2	1715.7	1715.7	1718.2	1713.2	1728.3	1682.8	1675.2	1606.9	1475.3
22.5°	1756.2	1761.2	1773.9	1766.3	1778.9	1786.5	1791.6	1794.1	1784.0	1713.2	1556.3
25°	1776.4	1789.1	1806.8	1834.6	1854.9	1870.0	1908.0	1925.7	1923.2	1862.5	1690.4
27.5°	1746.1	1761.2	1822.0	1870.0	1940.9	1981.4	2052.2	2075.0	2082.6	2026.9	1834.6
30°	1786.5	1791.6	1819.4	1880.2	1968.7	2090.2	2186.4	2237.0	2237.0	2194.0	1976.3
32.5°	1723.3	1738.5	1819.4	1930.8	2067.4	2199.0	2290.1	2398.9	2398.9	2378.7	2178.8
35°	1715.7	1723.3	1771.4	1895.4	2070.0	2310.4	2431.8	2560.9	2578.6	2581.1	2378.7
37.5°	1644.8	1660.0	1746.1	1905.5	2145.9	2378.7	2548.2	2748.1	2768.4	2796.2	2545.7
40°	1566.4	1571.4	1647.4	1814.4	2128.2	2467.2	2659.6	2958.2	2980.9	3018.9	2768.4
42.5°	1450.0	1470.2	1596.8	1778.9	2120.6	2495.1	2783.6	3155.5	3180.9	3234.0	2953.1
45°	1346.2	1353.8	1447.5	1649.9	2037.1	2535.6	2879.7	3388.4	3403.5	3436.4	3107.5
47.5°	1262.7	1267.8	1361.4	1536.0	1958.6	2525.4	2973.3	3598.4	3633.8	3684.4	3289.7
50°	1012.2	1040.0	1272.8	1442.4	1822.0	2507.7	3046.7	3861.6	3914.7	3934.9	3499.7
52.5°	862.9	868.0	989.4	1348.8	1680.3	2431.8	3117.6	4129.8	4190.5	4134.9	3752.7
55°	799.6	804.7	860.4	1161.5	1561.3	2285.1	3170.7	4387.9	4430.9	4294.3	3942.5
57.5°	759.2	769.3	794.6	943.9	1419.6	2039.6	3180.9	4529.6	4547.3	4420.8	4038.7
60°	703.5	703.5	754.1	824.9	1265.3	1776.4	3097.3	4600.5	4686.5	4565.0	4215.8
62.5°	655.4	660.5	693.4	746.5	1113.4	1553.7	2851.9	4802.9	4845.9	4701.7	4279.1
65°	599.7	604.8	635.2	688.3	1012.2	1429.7	2720.3	4721.9	4595.4	4666.3	4357.5
67.5°	536.5	539.0	569.4	617.4	850.3	1318.4	2404.0	4413.2	4309.5	4499.2	4139.9
70°	473.2	473.2	498.5	536.5	693.4	1156.4	1986.5	4132.3	4210.8	4220.9	3924.8
72.5°	394.8	397.3	422.6	455.5	556.7	966.7	1571.4	3851.4	3886.9	3752.7	3451.6
75°	283.4	293.5	321.4	354.3	440.3	766.7	1116.0	3130.2	3315.0	3552.8	2965.8
77.5°	43.0	43.0	53.1	81.0	144.2	384.6	516.2	1728.3	1918.1	2973.3	2591.2
80°	35.4	35.4	38.0	53.1	83.5	215.1	167.0	541.5	582.0	1366.5	1460.1
82.5°	17.7	17.7	27.8	38.0	50.6	63.3	70.9	260.6	301.1	465.6	582.0
85°	10.1	10.1	12.7	17.7	20.2	20.2	22.8	124.0	129.1	253.1	263.2
87.5°	2.5	2.5	5.1	5.1	5.1	2.5	2.5	2.5	2.5	2.5	2.5
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°	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3
2.5°	1346.2	1338.6	1323.5	1310.8	1303.2	1288.0	1275.4	1265.3	1260.2	1272.8	1275.4
5°	1348.8	1331.0	1303.2	1285.5	1265.3	1239.9	1209.6	1191.9	1184.3	1186.8	1194.4
7.5°	1353.8	1328.5	1295.6	1257.7	1204.5	1153.9	1118.5	1098.2	1088.1	1100.8	1100.8
10°	1338.6	1310.8	1265.3	1207.1	1138.7	1088.1	1047.6	1012.2	999.6	1004.6	1007.1
12.5°	1338.6	1300.7	1224.8	1153.9	1090.6	1007.1	946.4	913.5	900.9	903.4	908.5
15°	1346.2	1295.6	1189.3	1103.3	1009.7	921.1	868.0	827.5	814.8	802.2	807.2
17.5°	1371.5	1288.0	1171.6	1035.0	931.2	847.7	774.3	728.8	718.7	718.7	721.2
20°	1396.8	1298.2	1141.3	984.4	860.4	756.6	680.7	647.8	625.0	614.9	625.0
22.5°	1450.0	1333.6	1121.0	951.5	787.0	688.3	617.4	544.1	503.6	485.9	490.9
25°	1546.1	1396.8	1136.2	893.3	746.5	625.0	526.3	437.8	382.1	364.4	369.5
27.5°	1695.4	1500.6	1153.9	888.2	673.1	561.8	427.7	331.5	288.5	270.8	275.8
30°	1842.2	1642.3	1212.1	837.6	645.3	460.6	323.9	255.6	212.6	194.8	199.9
32.5°	1968.7	1778.9	1285.5	824.9	571.9	346.7	242.9	189.8	156.9	141.7	144.2
35°	2156.0	1895.4	1348.8	787.0	485.9	260.6	177.1	136.6	118.9	113.9	113.9
37.5°	2323.0	2032.0	1409.5	774.3	364.4	194.8	126.5	111.3	108.8	101.2	101.2
40°	2497.6	2176.2	1437.3	728.8	265.7	136.6	103.8	103.8	101.2	93.6	93.6
42.5°	2702.6	2323.0	1462.6	675.6	189.8	103.8	96.2	98.7	96.2	88.6	86.0
45°	2849.4	2414.1	1470.2	541.5	131.6	98.7	91.1	93.6	91.1	86.0	83.5
47.5°	2983.5	2545.7	1437.3	379.6	106.3	93.6	88.6	88.6	88.6	81.0	78.4
50°	3122.6	2654.5	1409.5	205.0	103.8	91.1	83.5	81.0	83.5	78.4	75.9
52.5°	3307.4	2738.0	1336.1	139.2	101.2	88.6	81.0	75.9	78.4	73.4	75.9
55°	3552.8	2958.2	1202.0	131.6	101.2	86.0	78.4	70.9	70.9	68.3	68.3
57.5°	3664.2	3041.7	986.9	126.5	98.7	86.0	73.4	65.8	60.7	58.2	55.7
60°	3800.8	3163.1	761.7	116.4	91.1	81.0	65.8	58.2	50.6	48.1	48.1
62.5°	3871.7	3191.0	602.3	103.8	83.5	70.9	58.2	48.1	40.5	35.4	35.4
65°	3912.2	3175.8	420.1	93.6	73.4	63.3	50.6	40.5	30.4	27.8	25.3
67.5°	3775.5	3084.7	245.5	81.0	63.3	55.7	43.0	32.9	25.3	22.8	20.2
70°	3502.2	2806.3	154.4	70.9	55.7	48.1	38.0	27.8	20.2	17.7	17.7
72.5°	3208.7	2262.3	106.3	55.7	43.0	38.0	27.8	22.8	17.7	12.7	12.7
75°	2887.3	1963.7	78.4	40.5	30.4	27.8	22.8	17.7	15.2	10.1	10.1
77.5°	2047.2	1300.7	63.3	30.4	20.2	17.7	15.2	12.7	10.1	10.1	7.6
80°	1209.6	635.2	48.1	20.2	15.2	12.7	10.1	10.1	7.6	7.6	7.6
82.5°	453.0	242.9	32.9	15.2	10.1	10.1	7.6	7.6	5.1	5.1	5.1
85°	164.5	60.7	15.2	7.6	7.6	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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)