

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: P690882

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690882
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-C01-5TLD-U-T3-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8572 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

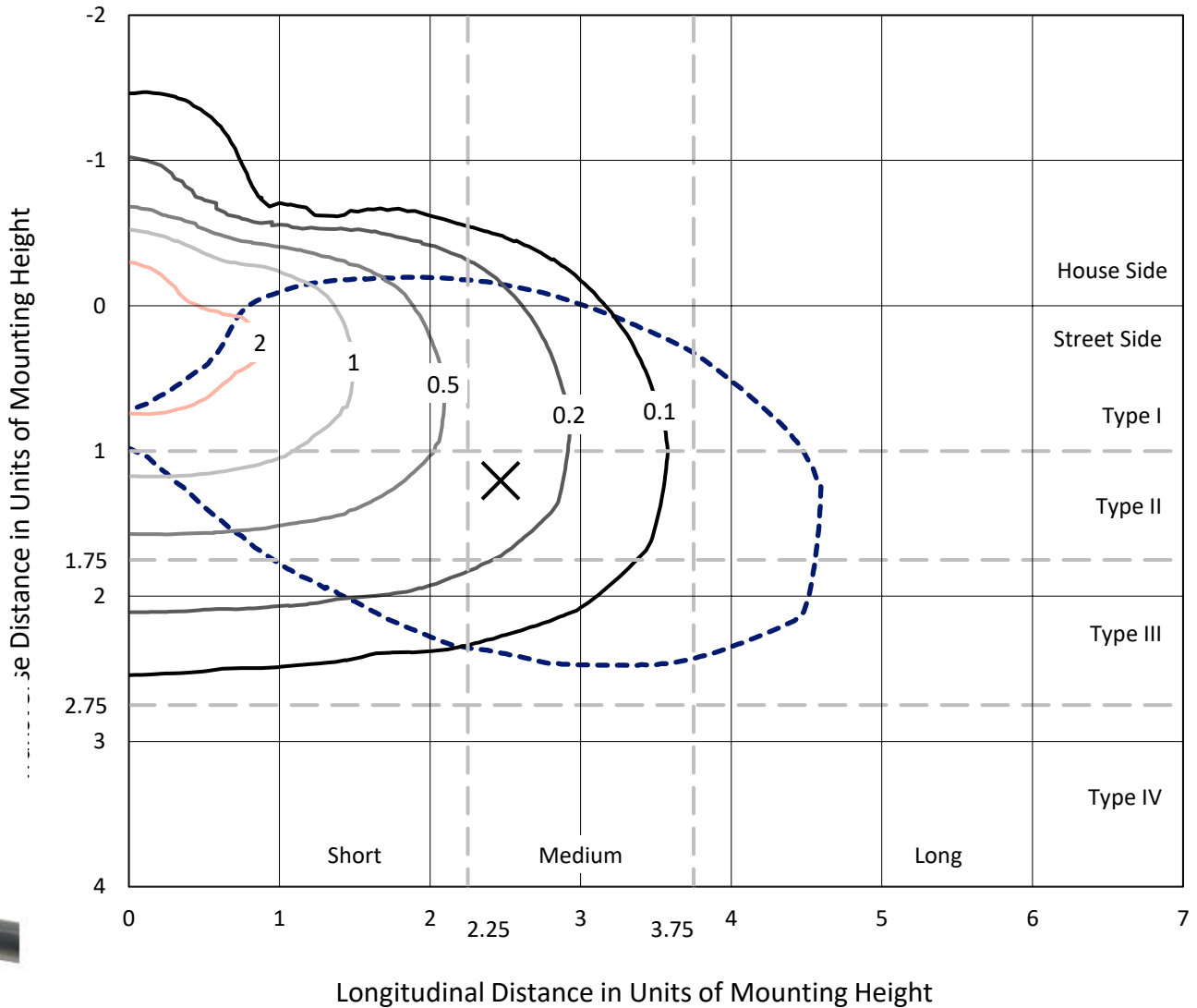
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

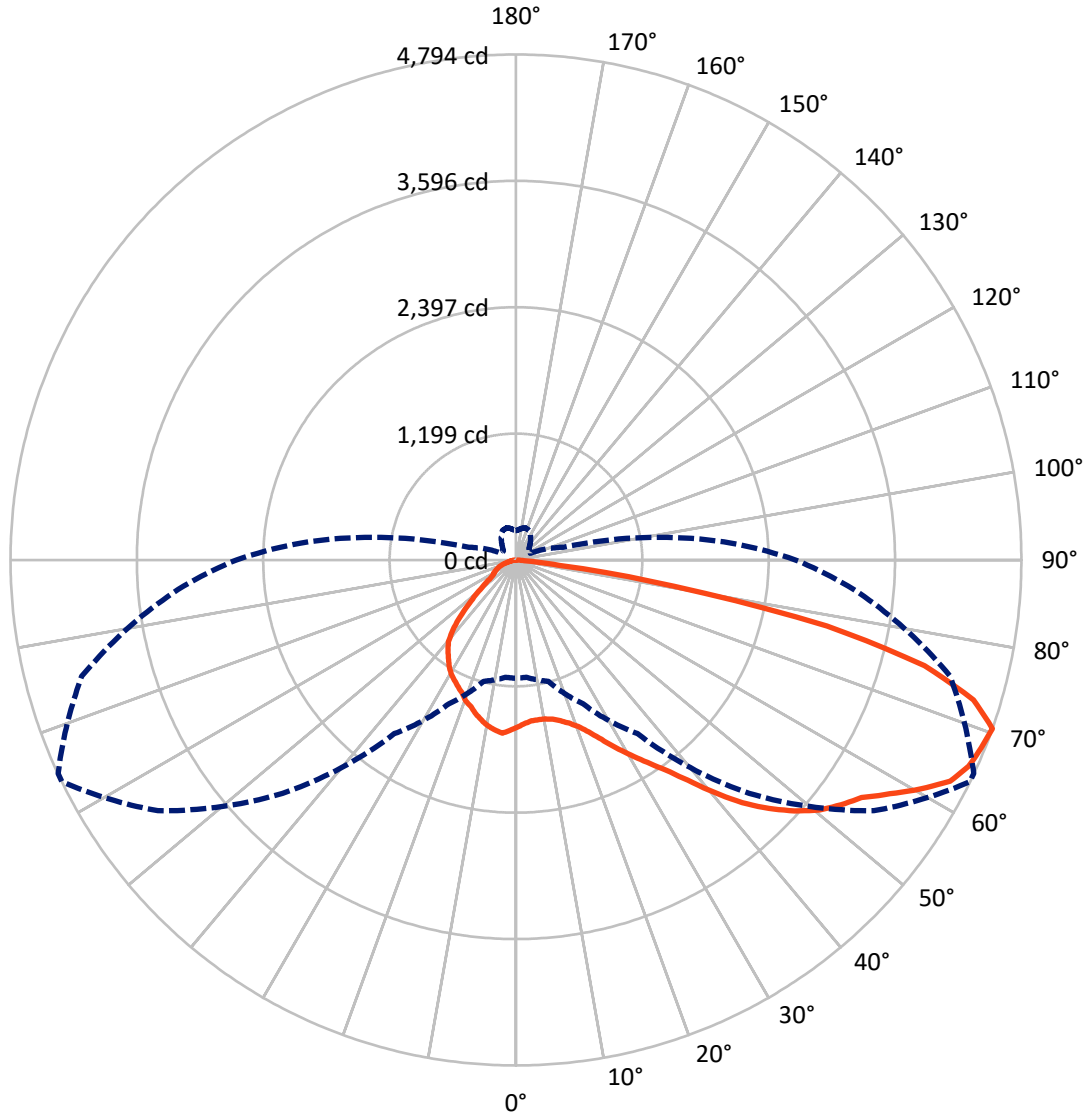
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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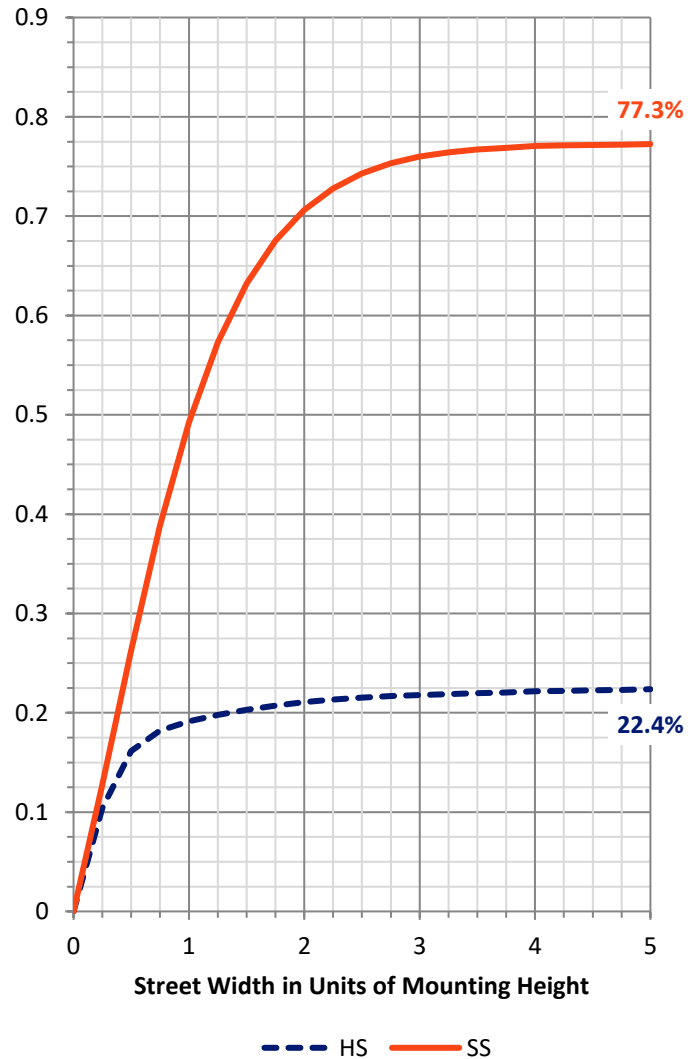
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1947.3	0.0	1947.3
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6624.7	0.0	6624.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	8572.0	0.0	8572.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	1.8
10°-20°	447.0	5.2
20°-30°	742.0	8.7
30°-40°	1061.4	12.4
40°-50°	1417.4	16.5
50°-60°	1712.9	20.0
60°-70°	1823.0	21.3
70°-80°	1119.9	13.1
80°-90°	95.9	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°	8572.0	100.0
0°-180°	8572.0	100.0

Coefficient of Utilization



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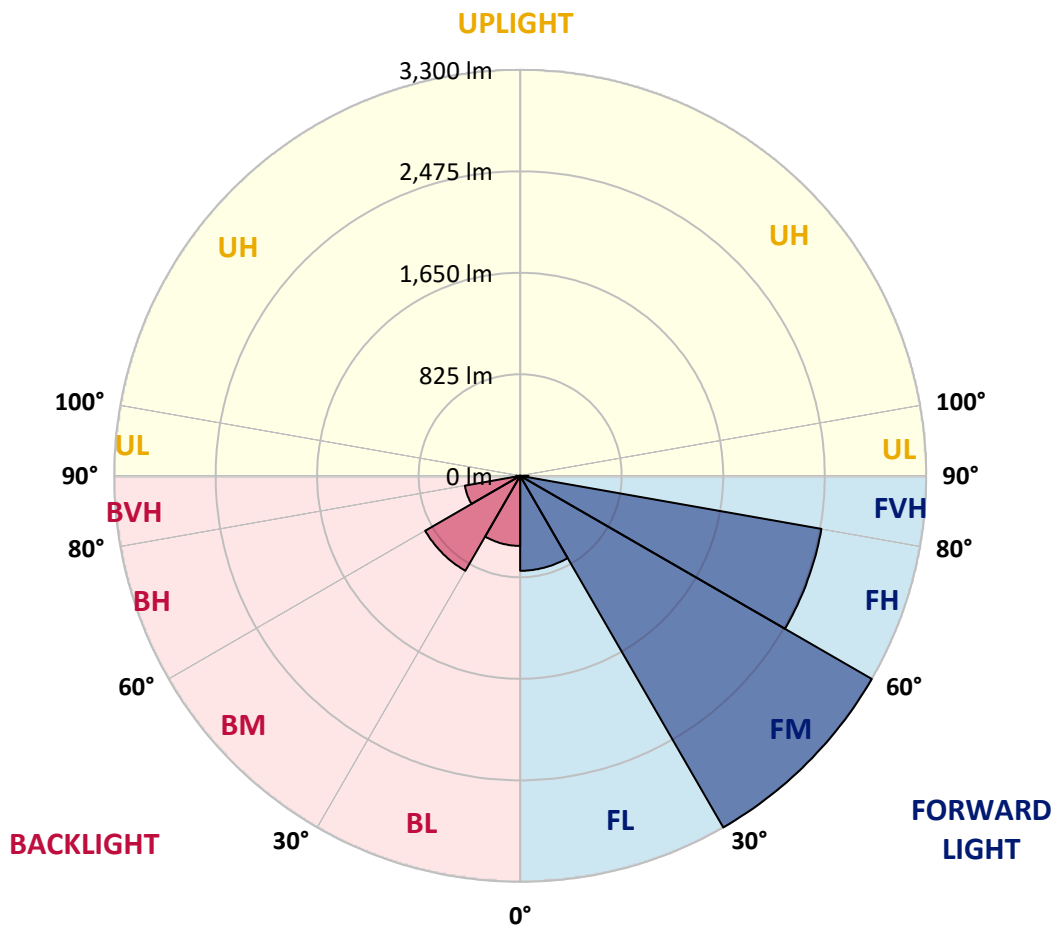
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	771.9	9.0			
FM (30°-60°)	3300.1	38.5			
FH (60°-80°)	2486.2	29.0			G2/5000
FVH (80°-90°)	66.6	0.8			G1/100
BL (0°-30°)	569.7	6.6	B2/1000		
BM (30°-60°)	891.6	10.4	B1/1000		
BH (60°-80°)	456.7	5.3	B1/500		G1/500
BVH (80°-90°)	29.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4
2.5°	1547.5	1547.5	1547.5	1547.5	1550.4	1553.4	1550.4	1553.4	1553.4	1559.2	1567.9
5°	1573.8	1573.8	1567.9	1556.3	1547.5	1535.9	1530.0	1533.0	1533.0	1547.5	1570.8
7.5°	1582.5	1582.5	1576.7	1576.7	1567.9	1541.7	1533.0	1530.0	1533.0	1538.8	1570.8
10°	1626.2	1623.3	1608.7	1591.2	1579.6	1556.3	1535.9	1533.0	1535.9	1544.6	1579.6
12.5°	1672.8	1672.8	1667.0	1652.4	1620.4	1597.1	1562.1	1550.4	1547.5	1556.3	1576.7
15°	1766.1	1754.4	1731.1	1710.7	1687.4	1649.5	1602.9	1582.5	1576.7	1588.3	1579.6
17.5°	1821.5	1812.7	1815.6	1783.6	1763.2	1710.7	1664.1	1626.2	1623.3	1635.0	1597.1
20°	1882.7	1879.8	1885.6	1882.7	1850.6	1804.0	1731.1	1684.5	1678.7	1681.6	1623.3
22.5°	1975.9	1975.9	1973.0	1973.0	1955.5	1900.2	1818.6	1771.9	1763.2	1742.8	1667.0
25°	2077.9	2077.9	2077.9	2083.8	2083.8	2019.7	1938.0	1885.6	1879.8	1850.6	1739.9
27.5°	2174.1	2179.9	2182.9	2185.8	2194.5	2165.4	2075.0	2013.8	2010.9	1973.0	1836.0
30°	2249.9	2252.8	2279.0	2284.9	2302.3	2293.6	2206.2	2147.9	2153.7	2104.2	1943.9
32.5°	2316.9	2319.8	2357.7	2378.1	2398.5	2401.4	2328.6	2287.8	2287.8	2244.1	2075.0
35°	2381.0	2383.9	2430.6	2480.1	2520.9	2509.3	2468.5	2445.1	2453.9	2439.3	2255.7
37.5°	2436.4	2448.1	2509.3	2582.1	2628.8	2637.5	2620.0	2652.1	2669.6	2692.9	2500.5
40°	2488.9	2494.7	2553.0	2628.8	2707.4	2748.2	2768.6	2899.8	2917.3	2934.8	2640.4
42.5°	2439.3	2451.0	2576.3	2690.0	2789.0	2859.0	2955.2	3147.5	3185.4	3089.2	2829.8
45°	2381.0	2395.6	2520.9	2713.3	2853.2	2981.4	3159.2	3363.2	3392.3	3246.6	2931.8
47.5°	2331.5	2349.0	2477.2	2692.9	2920.2	3147.5	3325.3	3555.5	3573.0	3380.7	3071.7
50°	2276.1	2290.7	2427.7	2666.6	2955.2	3299.1	3500.1	3730.4	3736.2	3491.4	3144.6
52.5°	2203.3	2217.8	2357.7	2625.8	2981.4	3401.1	3645.9	3858.6	3835.3	3634.2	3229.1
55°	2110.0	2130.4	2281.9	2570.5	2996.0	3462.3	3745.0	3978.1	3966.4	3803.2	3339.9
57.5°	2010.9	2031.3	2185.8	2494.7	2981.4	3500.1	3847.0	4185.0	4182.1	3940.2	3421.5
60°	1900.2	1917.6	2048.8	2395.6	2902.7	3561.3	4071.4	4409.4	4432.7	4094.7	3453.5
62.5°	1754.4	1757.4	1888.5	2252.8	2800.7	3605.1	4231.7	4622.2	4607.6	4196.7	3459.3
65°	1562.1	1570.8	1687.4	2054.6	2634.6	3570.1	4272.5	4718.3	4718.3	4272.5	3453.5
67.5°	1375.6	1372.7	1471.8	1806.9	2378.1	3415.6	4237.5	4759.2	4779.6	4322.0	3377.7
70°	1122.0	1116.2	1192.0	1503.8	2010.9	3130.0	4147.1	4794.1	4791.2	4263.7	3217.5
72.5°	830.6	827.7	880.1	1139.5	1538.8	2678.3	3879.0	4537.7	4508.5	3983.9	2905.6
75°	460.5	437.2	434.2	705.3	894.7	1876.8	3296.1	4001.4	4013.1	3520.5	2433.5
77.5°	67.0	69.9	72.9	128.2	154.5	702.4	2142.1	3016.4	3010.5	2716.2	1774.8
80°	46.6	49.5	52.5	64.1	72.9	166.1	740.2	1521.3	1608.7	1428.0	818.9
82.5°	35.0	35.0	37.9	43.7	40.8	75.8	230.2	422.6	437.2	396.4	241.9
85°	23.3	23.3	20.4	23.3	14.6	20.4	52.5	78.7	84.5	81.6	67.0
87.5°	11.7	11.7	8.7	8.7	5.8	5.8	5.8	2.9	5.8	2.9	5.8
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°	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4	1585.4
2.5°	1576.7	1582.5	1600.0	1614.6	1632.0	1652.4	1664.1	1675.8	1687.4	1681.6	1690.3
5°	1582.5	1594.2	1620.4	1646.6	1661.2	1664.1	1667.0	1675.8	1693.2	1693.2	1707.8
7.5°	1588.3	1608.7	1608.7	1623.3	1643.7	1649.5	1652.4	1658.3	1667.0	1669.9	1667.0
10°	1588.3	1579.6	1594.2	1597.1	1588.3	1602.9	1611.6	1608.7	1617.5	1620.4	1620.4
12.5°	1570.8	1567.9	1556.3	1556.3	1553.4	1530.0	1530.0	1553.4	1553.4	1567.9	1570.8
15°	1570.8	1547.5	1533.0	1512.6	1492.2	1483.4	1471.8	1454.3	1460.1	1480.5	1486.3
17.5°	1567.9	1541.7	1498.0	1457.2	1442.6	1407.6	1396.0	1396.0	1393.1	1404.7	1407.6
20°	1579.6	1541.7	1474.7	1428.0	1349.3	1337.7	1314.4	1317.3	1320.2	1302.7	1294.0
22.5°	1611.6	1565.0	1457.2	1366.8	1305.6	1253.2	1209.5	1180.3	1177.4	1168.7	1177.4
25°	1661.2	1605.8	1460.1	1331.9	1232.8	1157.0	1127.9	1057.9	1025.9	1028.8	1046.3
27.5°	1751.5	1655.4	1474.7	1294.0	1174.5	1066.7	973.4	929.7	894.7	894.7	900.5
30°	1836.0	1731.1	1468.8	1261.9	1084.1	950.1	830.6	760.6	749.0	737.3	734.4
32.5°	1993.4	1827.3	1527.1	1215.3	999.6	801.4	682.0	585.8	594.5	597.4	603.3
35°	2150.8	1981.8	1538.8	1157.0	877.2	652.8	527.5	475.0	498.4	504.2	510.0
37.5°	2360.6	2174.1	1617.5	1104.5	751.9	501.3	419.7	396.4	419.7	419.7	422.6
40°	2474.3	2264.5	1681.6	1052.1	588.7	370.1	329.3	311.8	341.0	364.3	370.1
42.5°	2634.6	2381.0	1739.9	947.2	416.8	276.9	253.5	288.5	335.2	358.5	361.4
45°	2716.2	2439.3	1719.5	807.3	273.9	224.4	247.7	291.4	338.1	361.4	364.3
47.5°	2826.9	2520.9	1678.7	644.1	218.6	221.5	250.6	300.2	346.8	367.2	370.1
50°	2934.8	2605.4	1573.8	512.9	209.8	221.5	256.5	303.1	343.9	358.5	355.6
52.5°	2996.0	2684.1	1439.7	390.5	209.8	224.4	262.3	308.9	341.0	343.9	343.9
55°	3051.3	2692.9	1328.9	303.1	206.9	227.3	268.1	314.8	343.9	343.9	338.1
57.5°	3086.3	2657.9	1244.4	262.3	206.9	227.3	268.1	314.8	358.5	367.2	358.5
60°	3071.7	2590.9	1186.1	244.8	201.1	224.4	265.2	323.5	440.1	460.5	443.0
62.5°	3036.8	2553.0	1060.8	224.4	192.3	215.7	259.4	349.7	472.1	475.0	460.5
65°	3004.7	2427.7	909.3	201.1	180.7	206.9	250.6	355.6	399.3	384.7	381.8
67.5°	2859.0	2264.5	693.6	177.8	163.2	195.3	241.9	326.4	355.6	338.1	332.2
70°	2652.1	1978.9	463.4	151.5	145.7	180.7	241.9	306.0	317.7	288.5	276.9
72.5°	2273.2	1637.9	253.5	122.4	122.4	166.1	218.6	285.6	294.4	259.4	239.0
75°	1850.6	1186.1	163.2	93.3	93.3	139.9	198.2	271.0	288.5	250.6	224.4
77.5°	1273.6	649.9	113.7	67.0	61.2	107.8	157.4	221.5	256.5	215.7	183.6
80°	431.3	171.9	72.9	43.7	37.9	61.2	104.9	171.9	233.1	221.5	198.2
82.5°	169.0	107.8	49.5	29.1	26.2	29.1	52.5	107.8	186.5	201.1	233.1
85°	49.5	29.1	17.5	14.6	14.6	14.6	14.6	43.7	110.7	145.7	183.6
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	26.2	46.6	61.2
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)