

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: P690974

Luminaire Tested: **CRTK2-C01-D-U-T3-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690974
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-D-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: 8578 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

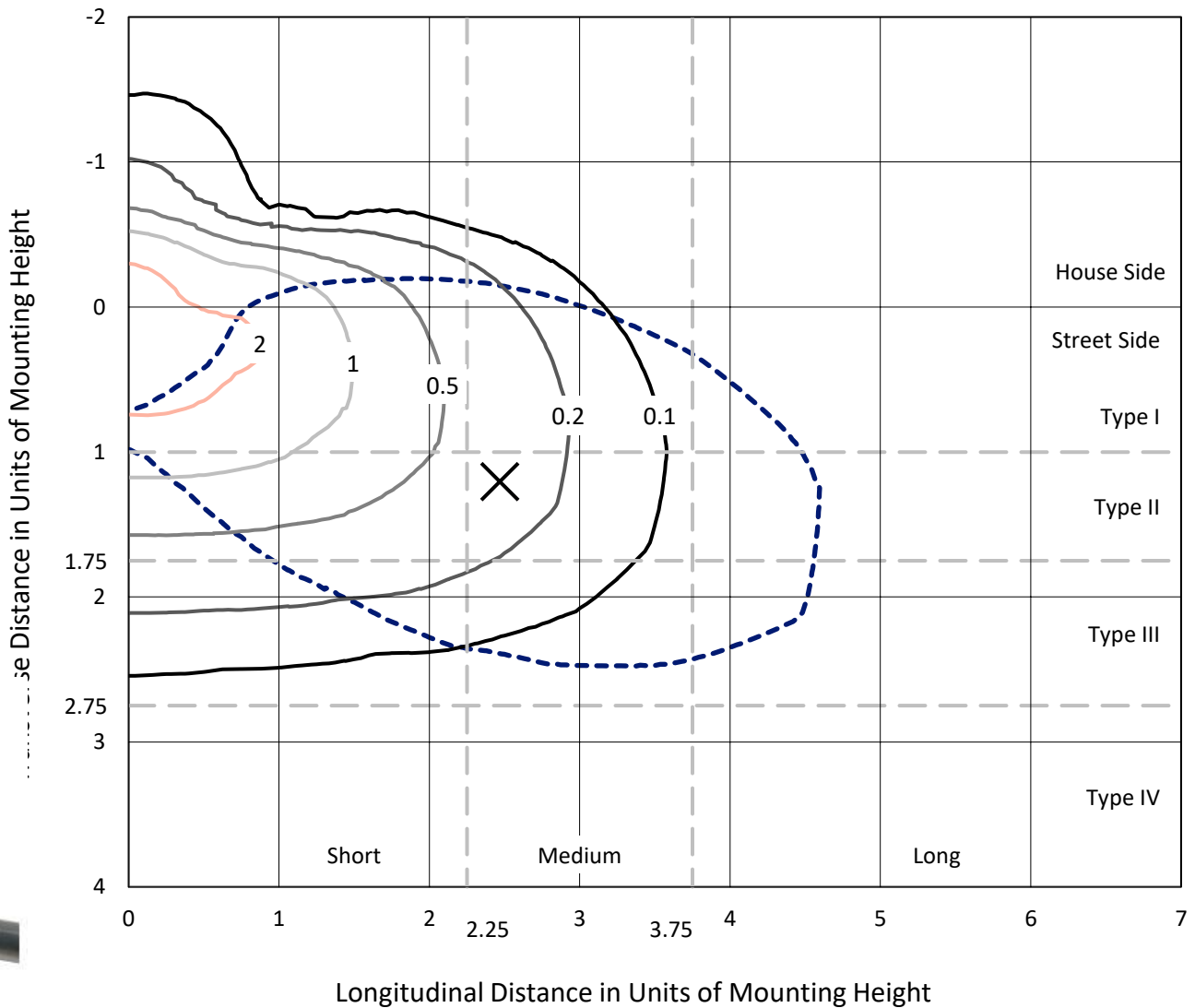
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

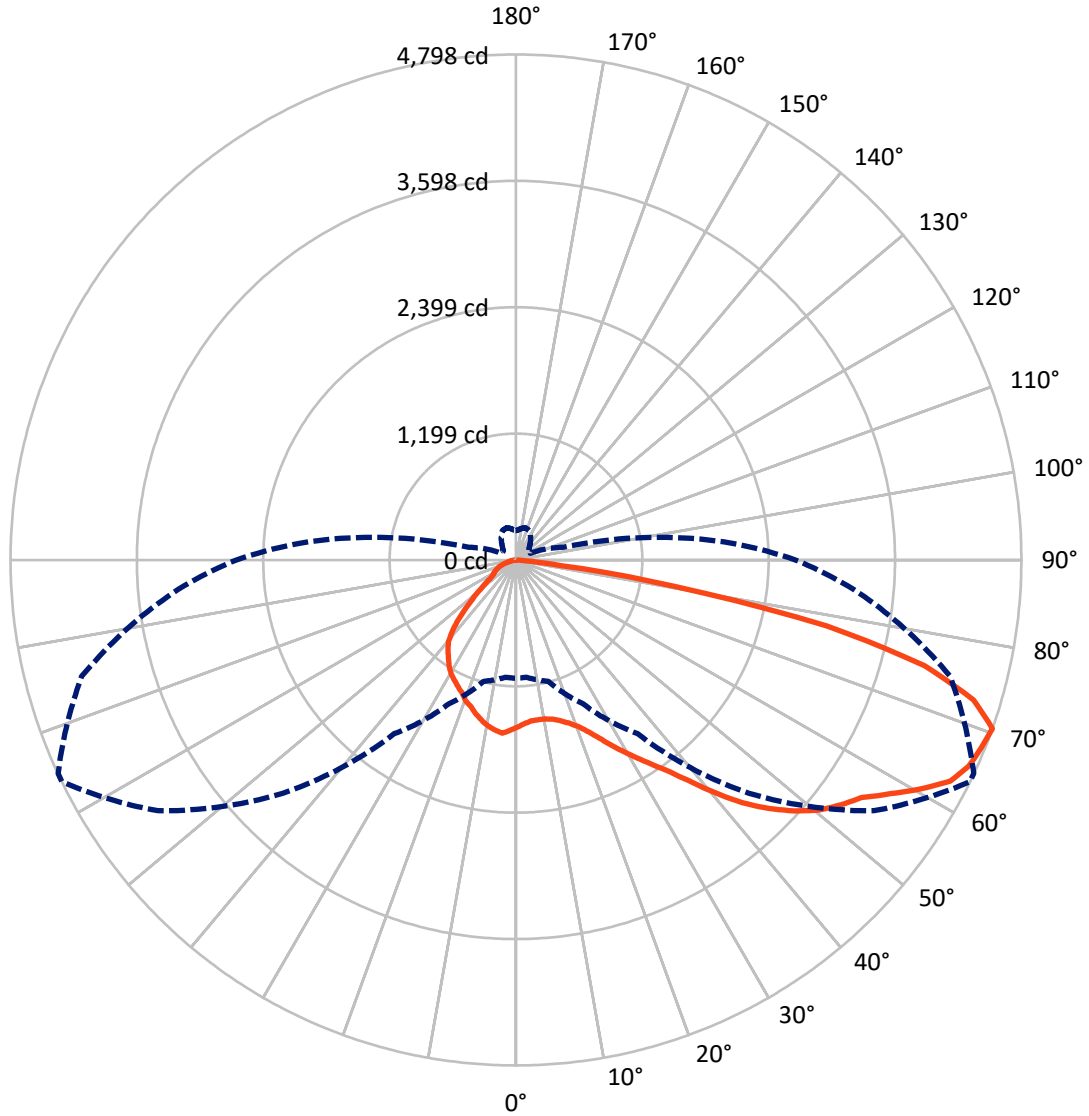
✕ Max cd
 - - - 1/2 Max cd



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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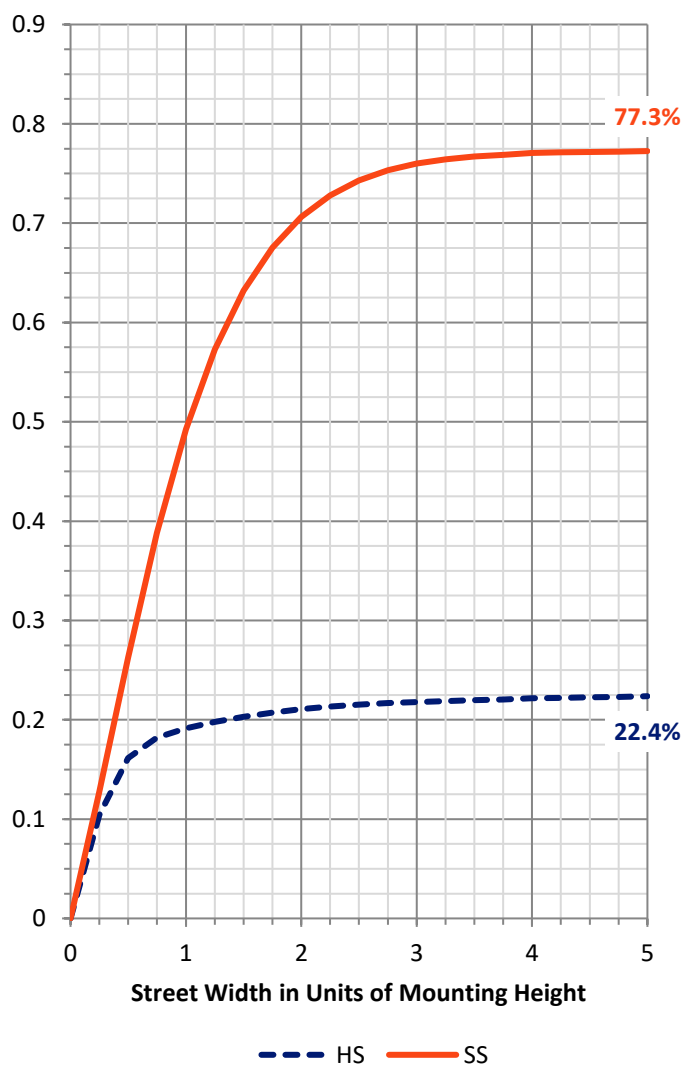
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1948.6	0.0	1948.6
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6629.4	0.0	6629.4
	% Fixture	77.3	0.0	77.3
Total	Lumens	8578.0	0.0	8578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	1.8
10°-20°	447.3	5.2
20°-30°	742.5	8.7
30°-40°	1062.1	12.4
40°-50°	1418.4	16.5
50°-60°	1714.1	20.0
60°-70°	1824.3	21.3
70°-80°	1120.7	13.1
80°-90°	96.0	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°	8578.0	100.0
0°-180°	8578.0	100.0

Coefficient of Utilization



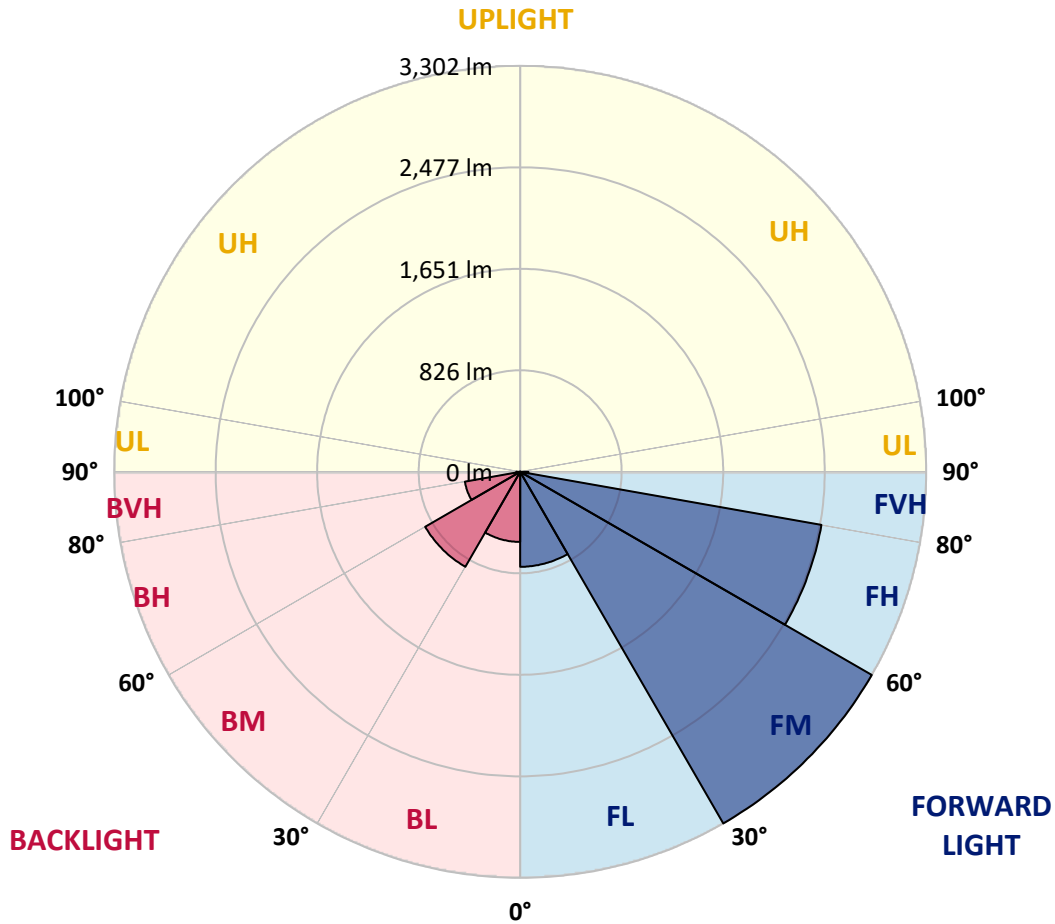
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	772.4	9.0			
FM (30°-60°)	3302.4	38.5			
FH (60°-80°)	2487.9	29.0			G2/5000
FVH (80°-90°)	66.6	0.8			G1/100
BL (0°-30°)	570.1	6.6	B2/1000		
BM (30°-60°)	892.2	10.4	B1/1000		
BH (60°-80°)	457.0	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°	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5
2.5°	1548.6	1548.6	1548.6	1548.6	1551.5	1554.4	1551.5	1554.4	1554.4	1560.3	1569.0
5°	1574.9	1574.9	1569.0	1557.4	1548.6	1536.9	1531.1	1534.0	1534.0	1548.6	1571.9
7.5°	1583.6	1583.6	1577.8	1577.8	1569.0	1542.8	1534.0	1531.1	1534.0	1539.9	1571.9
10°	1627.4	1624.4	1609.9	1592.4	1580.7	1557.4	1536.9	1534.0	1536.9	1545.7	1580.7
12.5°	1674.0	1674.0	1668.2	1653.6	1621.5	1598.2	1563.2	1551.5	1548.6	1557.4	1577.8
15°	1767.3	1755.7	1732.3	1711.9	1688.6	1650.7	1604.0	1583.6	1577.8	1589.4	1580.7
17.5°	1822.8	1814.0	1816.9	1784.8	1764.4	1711.9	1665.3	1627.4	1624.4	1636.1	1598.2
20°	1884.0	1881.1	1886.9	1884.0	1851.9	1805.3	1732.3	1685.7	1679.8	1682.8	1624.4
22.5°	1977.3	1977.3	1974.4	1974.4	1956.9	1901.5	1819.8	1773.2	1764.4	1744.0	1668.2
25°	2079.4	2079.4	2079.4	2085.2	2085.2	2021.1	1939.4	1886.9	1881.1	1851.9	1741.1
27.5°	2175.6	2181.5	2184.4	2187.3	2196.0	2166.9	2076.5	2015.2	2012.3	1974.4	1837.3
30°	2251.5	2254.4	2280.6	2286.5	2304.0	2295.2	2207.7	2149.4	2155.2	2105.6	1945.2
32.5°	2318.5	2321.5	2359.4	2379.8	2400.2	2403.1	2330.2	2289.4	2289.4	2245.6	2076.5
35°	2382.7	2385.6	2432.3	2481.9	2522.7	2511.0	2470.2	2446.9	2455.6	2441.0	2257.3
37.5°	2438.1	2449.8	2511.0	2583.9	2630.6	2639.3	2621.8	2653.9	2671.4	2694.8	2502.3
40°	2490.6	2496.4	2554.8	2630.6	2709.3	2750.2	2770.6	2901.8	2919.3	2936.8	2642.3
42.5°	2441.0	2452.7	2578.1	2691.8	2791.0	2861.0	2957.2	3149.7	3187.6	3091.4	2831.8
45°	2382.7	2397.3	2522.7	2715.2	2855.2	2983.5	3161.4	3365.5	3394.7	3248.9	2933.9
47.5°	2333.1	2350.6	2478.9	2694.8	2922.2	3149.7	3327.6	3558.0	3575.5	3383.0	3073.9
50°	2277.7	2292.3	2429.4	2668.5	2957.2	3301.4	3502.6	3733.0	3738.8	3493.8	3146.8
52.5°	2204.8	2219.4	2359.4	2627.7	2983.5	3403.4	3648.4	3861.3	3838.0	3636.8	3231.4
55°	2111.5	2131.9	2283.5	2572.3	2998.1	3464.7	3747.6	3980.9	3969.2	3805.9	3342.2
57.5°	2012.3	2032.7	2187.3	2496.4	2983.5	3502.6	3849.6	4188.0	4185.0	3943.0	3423.9
60°	1901.5	1919.0	2050.2	2397.3	2904.7	3563.8	4074.2	4412.5	4435.8	4097.5	3455.9
62.5°	1755.7	1758.6	1889.8	2254.4	2802.7	3607.6	4234.6	4625.4	4610.8	4199.6	3461.8
65°	1563.2	1571.9	1688.6	2056.1	2636.4	3572.6	4275.4	4721.7	4721.7	4275.4	3455.9
67.5°	1376.5	1373.6	1472.8	1808.2	2379.8	3418.0	4240.4	4762.5	4782.9	4325.0	3380.1
70°	1122.8	1117.0	1192.8	1504.9	2012.3	3132.2	4150.0	4797.5	4794.6	4266.7	3219.7
72.5°	831.2	828.3	880.8	1140.3	1539.9	2680.2	3881.7	4540.8	4511.7	3986.7	2907.7
75°	460.8	437.5	434.5	705.8	895.3	1878.2	3298.4	4004.2	4015.9	3523.0	2435.2
77.5°	67.1	70.0	72.9	128.3	154.6	702.9	2143.6	3018.5	3012.6	2718.1	1776.1
80°	46.7	49.6	52.5	64.2	72.9	166.2	740.8	1522.4	1609.9	1429.0	819.5
82.5°	35.0	35.0	37.9	43.7	40.8	75.8	230.4	422.9	437.5	396.6	242.1
85°	23.3	23.3	20.4	23.3	14.6	20.4	52.5	78.7	84.6	81.7	67.1
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°	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5	1586.5
2.5°	1577.8	1583.6	1601.1	1615.7	1633.2	1653.6	1665.3	1676.9	1688.6	1682.8	1691.5
5°	1583.6	1595.3	1621.5	1647.8	1662.3	1665.3	1668.2	1676.9	1694.4	1694.4	1709.0
7.5°	1589.4	1609.9	1609.9	1624.4	1644.8	1650.7	1653.6	1659.4	1668.2	1671.1	1668.2
10°	1589.4	1580.7	1595.3	1598.2	1589.4	1604.0	1612.8	1609.9	1618.6	1621.5	1621.5
12.5°	1571.9	1569.0	1557.4	1557.4	1554.4	1531.1	1531.1	1554.4	1554.4	1569.0	1571.9
15°	1571.9	1548.6	1534.0	1513.6	1493.2	1484.4	1472.8	1455.3	1461.1	1481.5	1487.4
17.5°	1569.0	1542.8	1499.0	1458.2	1443.6	1408.6	1397.0	1397.0	1394.0	1405.7	1408.6
20°	1580.7	1542.8	1475.7	1429.0	1350.3	1338.6	1315.3	1318.2	1321.1	1303.6	1294.9
22.5°	1612.8	1566.1	1458.2	1367.8	1306.5	1254.1	1210.3	1181.1	1178.2	1169.5	1178.2
25°	1662.3	1606.9	1461.1	1332.8	1233.6	1157.8	1128.6	1058.7	1026.6	1029.5	1047.0
27.5°	1752.8	1656.5	1475.7	1294.9	1175.3	1067.4	974.1	930.3	895.3	895.3	901.2
30°	1837.3	1732.3	1469.9	1262.8	1084.9	950.7	831.2	761.2	749.5	737.8	734.9
32.5°	1994.8	1828.6	1528.2	1216.1	1000.3	802.0	682.4	586.2	594.9	597.9	603.7
35°	2152.3	1983.2	1539.9	1157.8	877.8	653.3	527.9	475.4	498.7	504.5	510.4
37.5°	2362.3	2175.6	1618.6	1105.3	752.4	501.6	420.0	396.6	420.0	420.0	422.9
40°	2476.0	2266.0	1682.8	1052.8	589.1	370.4	329.6	312.1	341.2	364.6	370.4
42.5°	2636.4	2382.7	1741.1	947.8	417.0	277.1	253.7	288.7	335.4	358.7	361.6
45°	2718.1	2441.0	1720.7	807.8	274.1	224.6	247.9	291.6	338.3	361.6	364.6
47.5°	2828.9	2522.7	1679.8	644.5	218.7	221.6	250.8	300.4	347.1	367.5	370.4
50°	2936.8	2607.3	1574.9	513.3	210.0	221.6	256.6	303.3	344.1	358.7	355.8
52.5°	2998.1	2686.0	1440.7	390.8	210.0	224.6	262.5	309.1	341.2	344.1	344.1
55°	3053.5	2694.8	1329.9	303.3	207.1	227.5	268.3	315.0	344.1	344.1	338.3
57.5°	3088.5	2659.8	1245.3	262.5	207.1	227.5	268.3	315.0	358.7	367.5	358.7
60°	3073.9	2592.7	1187.0	245.0	201.2	224.6	265.4	323.7	440.4	460.8	443.3
62.5°	3038.9	2554.8	1061.6	224.6	192.5	215.8	259.6	350.0	472.5	475.4	460.8
65°	3006.8	2429.4	909.9	201.2	180.8	207.1	250.8	355.8	399.5	385.0	382.0
67.5°	2861.0	2266.0	694.1	177.9	163.3	195.4	242.1	326.6	355.8	338.3	332.5
70°	2653.9	1980.2	463.7	151.7	145.8	180.8	242.1	306.2	317.9	288.7	277.1
72.5°	2274.8	1639.0	253.7	122.5	122.5	166.2	218.7	285.8	294.6	259.6	239.1
75°	1851.9	1187.0	163.3	93.3	93.3	140.0	198.3	271.2	288.7	250.8	224.6
77.5°	1274.5	650.4	113.7	67.1	61.2	107.9	157.5	221.6	256.6	215.8	183.7
80°	431.6	172.1	72.9	43.7	37.9	61.2	105.0	172.1	233.3	221.6	198.3
82.5°	169.2	107.9	49.6	29.2	26.2	29.2	52.5	107.9	186.6	201.2	233.3
85°	49.6	29.2	17.5	14.6	14.6	14.6	14.6	43.7	110.8	145.8	183.7
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	26.2	46.7	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)