

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: P690966

Luminaire Tested: **CRTK2-C01-D-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690966
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-T3-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8478 lumens
Efficiency: N/A
Efficacy: 139.0 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

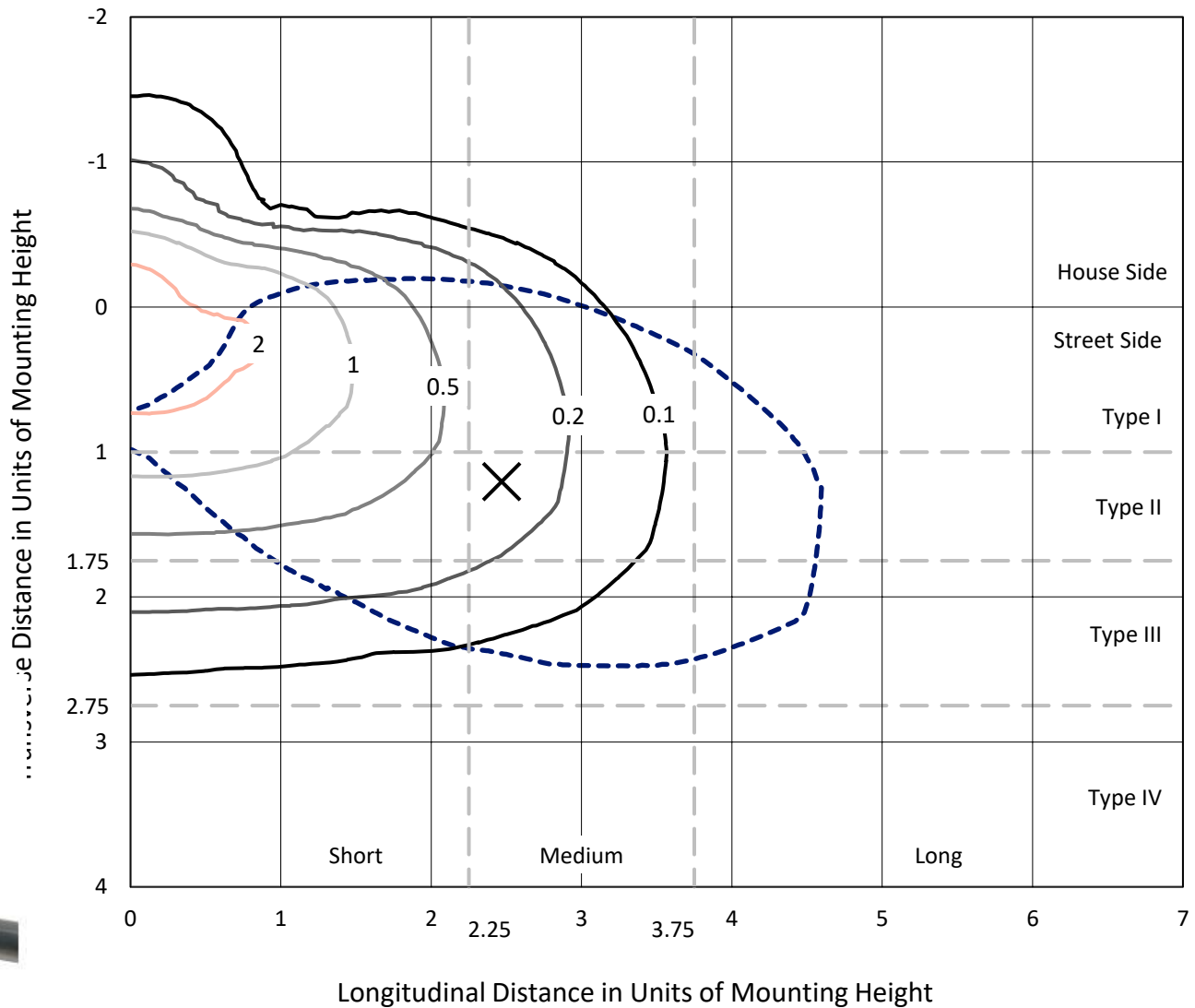


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Iso-Footcandle Lines of Horizontal Illumination

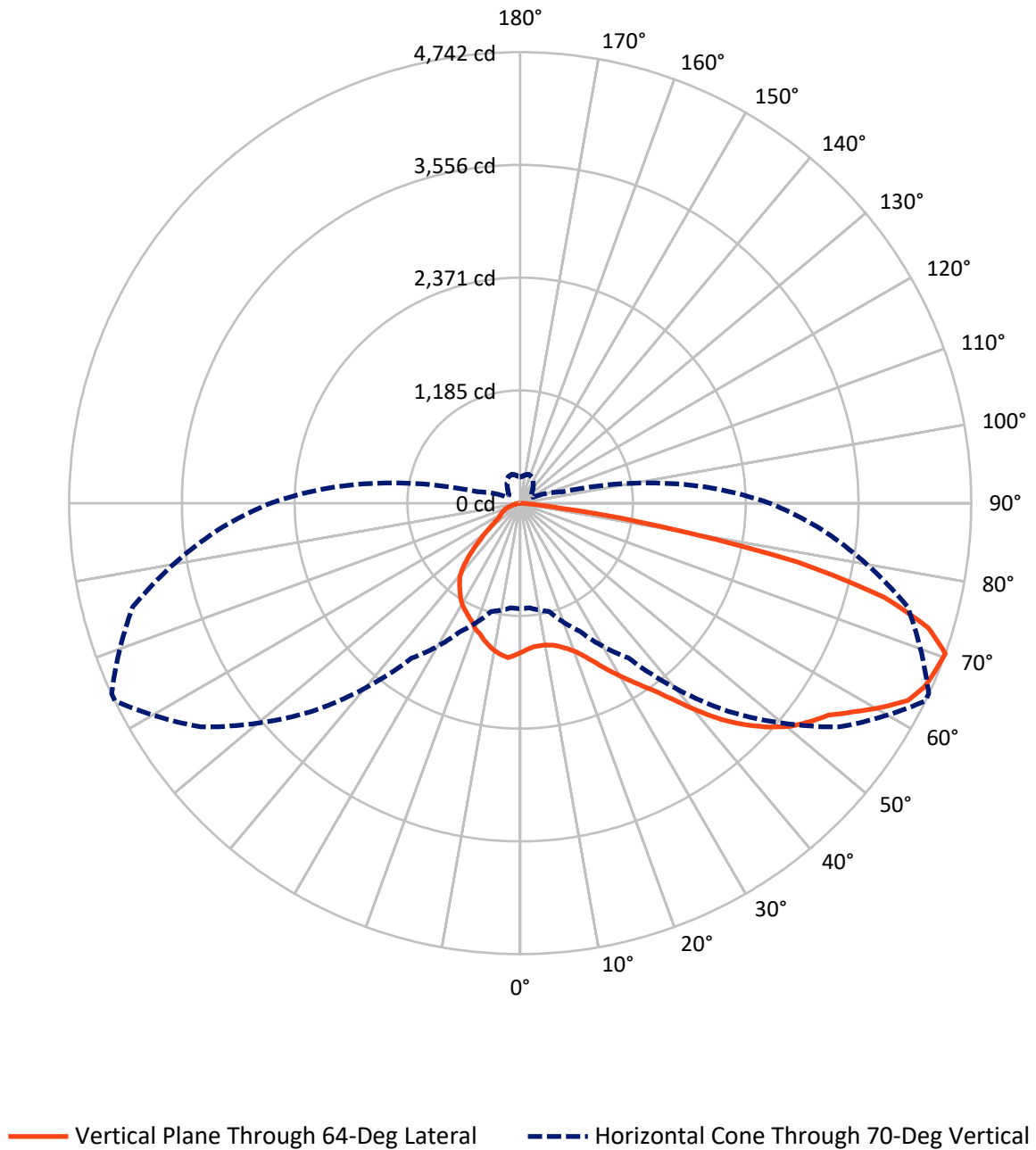
✕ Max cd
 - - - 1/2 Max cd



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



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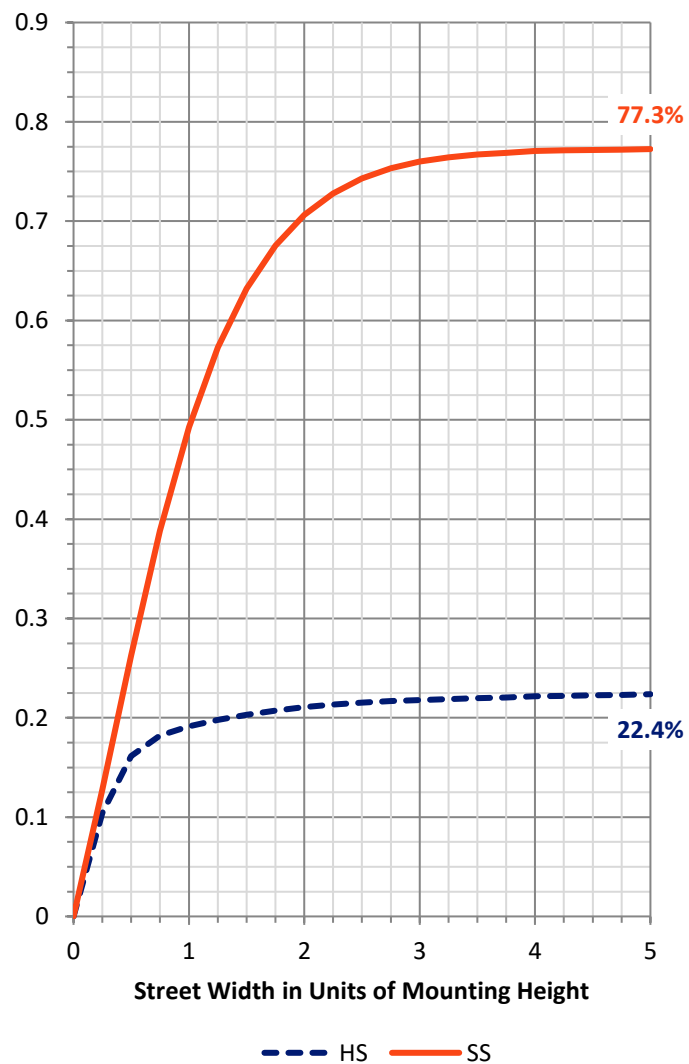
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1925.9	0.0	1925.9
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6552.1	0.0	6552.1
	% Fixture	77.3	0.0	77.3
Total	Lumens	8478.0	0.0	8478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.8
10°-20°	442.1	5.2
20°-30°	733.9	8.7
30°-40°	1049.8	12.4
40°-50°	1401.8	16.5
50°-60°	1694.1	20.0
60°-70°	1803.0	21.3
70°-80°	1107.6	13.1
80°-90°	94.8	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°	8478.0	100.0
0°-180°	8478.0	100.0

Coefficient of Utilization



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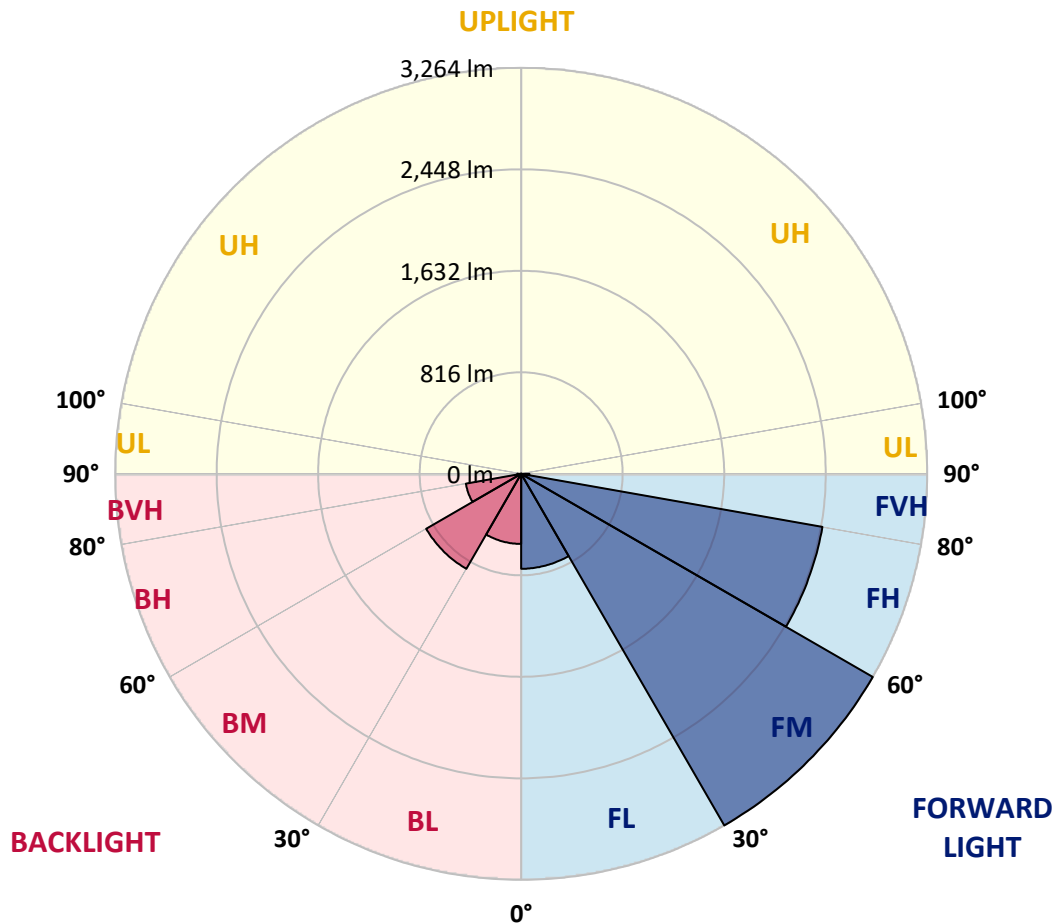
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	763.4	9.0			
FM	(30°-60°)	3263.9	38.5			
FH	(60°-80°)	2458.9	29.0			G2/5000
FVH	(80°-90°)	65.9	0.8			G1/100
BL	(0°-30°)	563.5	6.6	B2/1000		
BM	(30°-60°)	881.8	10.4	B1/1000		
BH	(60°-80°)	451.7	5.3	B1/500		G1/500
BVH	(80°-90°)	29.0	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°	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0
2.5°	1530.6	1530.6	1530.6	1530.6	1533.4	1536.3	1533.4	1536.3	1536.3	1542.1	1550.7
5°	1556.5	1556.5	1550.7	1539.2	1530.6	1519.0	1513.3	1516.1	1516.1	1530.6	1553.6
7.5°	1565.1	1565.1	1559.4	1559.4	1550.7	1524.8	1516.1	1513.3	1516.1	1521.9	1553.6
10°	1608.4	1605.5	1591.1	1573.8	1562.3	1539.2	1519.0	1516.1	1519.0	1527.7	1562.3
12.5°	1654.5	1654.5	1648.7	1634.3	1602.6	1579.6	1545.0	1533.4	1530.6	1539.2	1559.4
15°	1746.7	1735.2	1712.1	1692.0	1668.9	1631.4	1585.3	1565.1	1559.4	1570.9	1562.3
17.5°	1801.5	1792.9	1795.7	1764.0	1743.9	1692.0	1645.9	1608.4	1605.5	1617.0	1579.6
20°	1862.0	1859.1	1864.9	1862.0	1830.3	1784.2	1712.1	1666.0	1660.3	1663.1	1605.5
22.5°	1954.3	1954.3	1951.4	1951.4	1934.1	1879.3	1798.6	1752.5	1743.9	1723.7	1648.7
25°	2055.2	2055.2	2055.2	2060.9	2060.9	1997.5	1916.8	1864.9	1859.1	1830.3	1720.8
27.5°	2150.3	2156.0	2158.9	2161.8	2170.4	2141.6	2052.3	1991.7	1988.9	1951.4	1815.9
30°	2225.2	2228.1	2254.0	2259.8	2277.1	2268.5	2182.0	2124.3	2130.1	2081.1	1922.6
32.5°	2291.5	2294.4	2331.9	2352.0	2372.2	2375.1	2303.0	2262.7	2262.7	2219.4	2052.3
35°	2354.9	2357.8	2403.9	2452.9	2493.3	2481.7	2441.4	2418.3	2427.0	2412.6	2231.0
37.5°	2409.7	2421.2	2481.7	2553.8	2599.9	2608.6	2591.3	2623.0	2640.3	2663.3	2473.1
40°	2461.6	2467.3	2525.0	2599.9	2677.8	2718.1	2738.3	2868.0	2885.3	2902.6	2611.5
42.5°	2412.6	2424.1	2548.0	2660.5	2758.5	2827.6	2922.8	3113.0	3150.5	3055.3	2798.8
45°	2354.9	2369.3	2493.3	2683.5	2821.9	2948.7	3124.5	3326.3	3355.1	3211.0	2899.7
47.5°	2305.9	2323.2	2450.0	2663.3	2888.2	3113.0	3288.8	3516.5	3533.8	3343.6	3038.1
50°	2251.2	2265.6	2401.0	2637.4	2922.8	3262.9	3461.8	3689.5	3695.2	3453.1	3110.1
52.5°	2179.1	2193.5	2331.9	2597.0	2948.7	3363.8	3605.9	3816.3	3793.2	3594.4	3193.7
55°	2086.9	2107.0	2256.9	2542.3	2963.1	3424.3	3703.9	3934.5	3922.9	3761.5	3303.2
57.5°	1988.9	2009.0	2161.8	2467.3	2948.7	3461.8	3804.8	4139.1	4136.2	3897.0	3383.9
60°	1879.3	1896.6	2026.3	2369.3	2870.9	3522.3	4026.7	4361.1	4384.1	4049.8	3415.6
62.5°	1735.2	1738.1	1867.8	2228.1	2770.0	3565.5	4185.2	4571.5	4557.1	4150.7	3421.4
65°	1545.0	1553.6	1668.9	2032.1	2605.7	3530.9	4225.6	4666.6	4666.6	4225.6	3415.6
67.5°	1360.5	1357.6	1455.6	1787.1	2352.0	3378.2	4191.0	4707.0	4727.1	4274.6	3340.7
70°	1109.7	1104.0	1178.9	1487.3	1988.9	3095.7	4101.7	4741.6	4738.7	4217.0	3182.2
72.5°	821.5	818.6	870.5	1127.0	1521.9	2648.9	3836.5	4487.9	4459.1	3940.2	2873.8
75°	455.4	432.4	429.5	697.5	884.9	1856.3	3260.0	3957.5	3969.1	3481.9	2406.8
77.5°	66.3	69.2	72.1	126.8	152.8	694.7	2118.6	2983.3	2977.5	2686.4	1755.4
80°	46.1	49.0	51.9	63.4	72.1	164.3	732.1	1504.6	1591.1	1412.4	810.0
82.5°	34.6	34.6	37.5	43.2	40.4	74.9	227.7	417.9	432.4	392.0	239.2
85°	23.1	23.1	20.2	23.1	14.4	20.2	51.9	77.8	83.6	80.7	66.3
87.5°	11.5	11.5	8.6	8.6	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°	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0	1568.0
2.5°	1559.4	1565.1	1582.4	1596.9	1614.1	1634.3	1645.9	1657.4	1668.9	1663.1	1671.8
5°	1565.1	1576.7	1602.6	1628.6	1643.0	1645.9	1648.7	1657.4	1674.7	1674.7	1689.1
7.5°	1570.9	1591.1	1591.1	1605.5	1625.7	1631.4	1634.3	1640.1	1648.7	1651.6	1648.7
10°	1570.9	1562.3	1576.7	1579.6	1570.9	1585.3	1594.0	1591.1	1599.7	1602.6	1602.6
12.5°	1553.6	1550.7	1539.2	1539.2	1536.3	1513.3	1513.3	1536.3	1536.3	1550.7	1553.6
15°	1553.6	1530.6	1516.1	1496.0	1475.8	1467.1	1455.6	1438.3	1444.1	1464.3	1470.0
17.5°	1550.7	1524.8	1481.6	1441.2	1426.8	1392.2	1380.7	1380.7	1377.8	1389.3	1392.2
20°	1562.3	1524.8	1458.5	1412.4	1334.6	1323.0	1300.0	1302.8	1305.7	1288.4	1279.8
22.5°	1594.0	1547.8	1441.2	1351.8	1291.3	1239.4	1196.2	1167.4	1164.5	1155.8	1164.5
25°	1643.0	1588.2	1444.1	1317.3	1219.3	1144.3	1115.5	1046.3	1014.6	1017.5	1034.8
27.5°	1732.3	1637.2	1458.5	1279.8	1161.6	1055.0	962.7	919.5	884.9	884.9	890.7
30°	1815.9	1712.1	1452.7	1248.1	1072.3	939.7	821.5	752.3	740.8	729.2	726.4
32.5°	1971.6	1807.3	1510.4	1202.0	988.7	792.7	674.5	579.4	588.0	590.9	596.7
35°	2127.2	1960.0	1521.9	1144.3	867.6	645.7	521.7	469.8	492.9	498.7	504.4
37.5°	2334.7	2150.3	1599.7	1092.4	743.7	495.8	415.1	392.0	415.1	415.1	417.9
40°	2447.2	2239.6	1663.1	1040.5	582.2	366.1	325.7	308.4	337.2	360.3	366.1
42.5°	2605.7	2354.9	1720.8	936.8	412.2	273.8	250.8	285.4	331.5	354.5	357.4
45°	2686.4	2412.6	1700.6	798.4	270.9	221.9	245.0	288.2	334.4	357.4	360.3
47.5°	2795.9	2493.3	1660.3	637.0	216.2	219.1	247.9	296.9	343.0	363.2	366.1
50°	2902.6	2576.9	1556.5	507.3	207.5	219.1	253.7	299.8	340.1	354.5	351.7
52.5°	2963.1	2654.7	1423.9	386.2	207.5	221.9	259.4	305.5	337.2	340.1	340.1
55°	3017.9	2663.3	1314.4	299.8	204.7	224.8	265.2	311.3	340.1	340.1	334.4
57.5°	3052.5	2628.8	1230.8	259.4	204.7	224.8	265.2	311.3	354.5	363.2	354.5
60°	3038.1	2562.5	1173.1	242.1	198.9	221.9	262.3	319.9	435.2	455.4	438.1
62.5°	3003.5	2525.0	1049.2	221.9	190.2	213.3	256.5	345.9	466.9	469.8	455.4
65°	2971.8	2401.0	899.3	198.9	178.7	204.7	247.9	351.7	394.9	380.5	377.6
67.5°	2827.6	2239.6	686.0	175.8	161.4	193.1	239.2	322.8	351.7	334.4	328.6
70°	2623.0	1957.2	458.3	149.9	144.1	178.7	239.2	302.7	314.2	285.4	273.8
72.5°	2248.3	1619.9	250.8	121.1	121.1	164.3	216.2	282.5	291.1	256.5	236.4
75°	1830.3	1173.1	161.4	92.2	92.2	138.4	196.0	268.1	285.4	247.9	221.9
77.5°	1259.6	642.8	112.4	66.3	60.5	106.6	155.6	219.1	253.7	213.3	181.6
80°	426.6	170.1	72.1	43.2	37.5	60.5	103.8	170.1	230.6	219.1	196.0
82.5°	167.2	106.6	49.0	28.8	25.9	28.8	51.9	106.6	184.5	198.9	230.6
85°	49.0	28.8	17.3	14.4	14.4	14.4	14.4	43.2	109.5	144.1	181.6
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	25.9	46.1	60.5
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)