

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: P691902

Luminaire Tested: **CRTK2-C01H-D-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691902
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-C01H-D-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8343 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

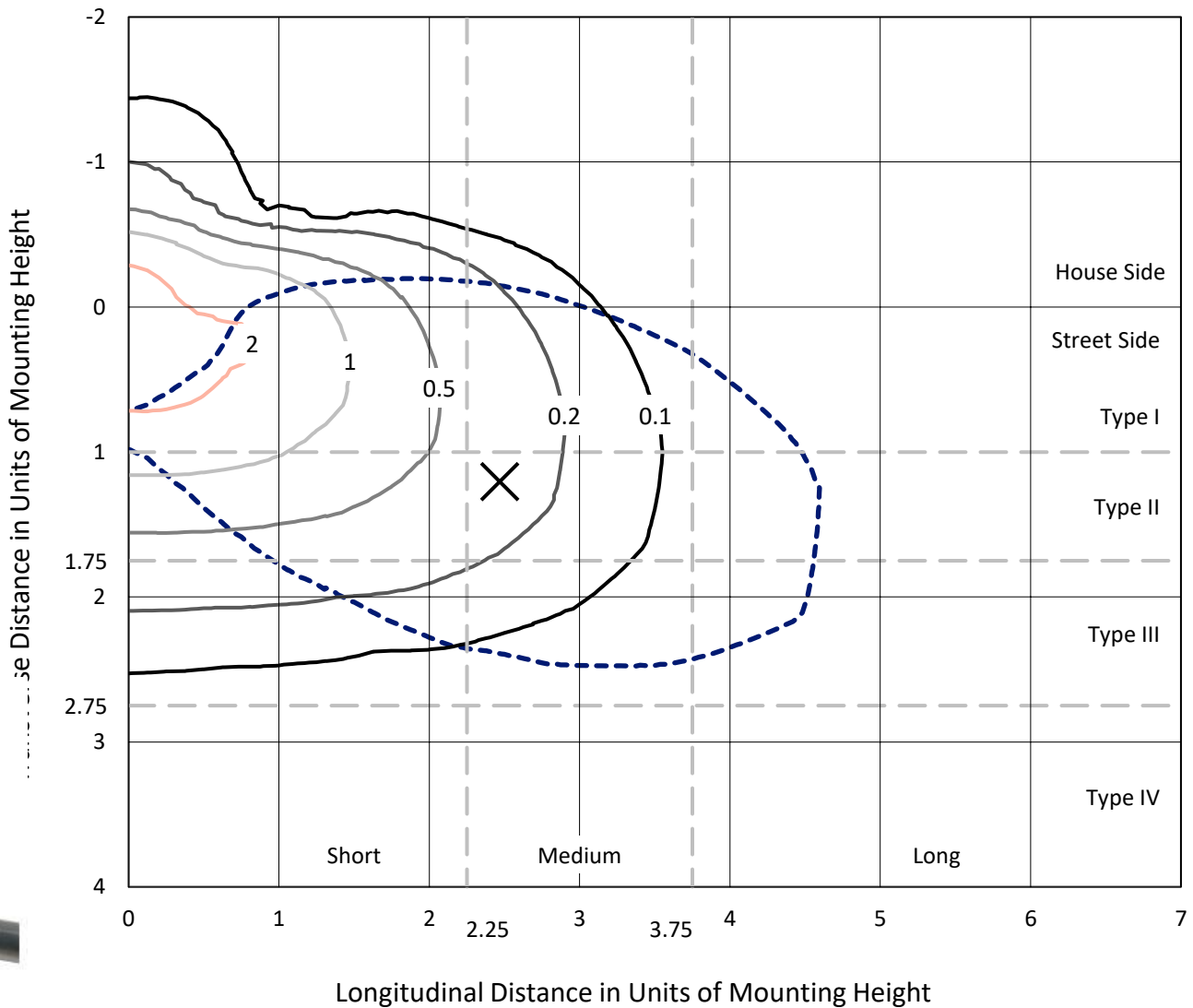
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

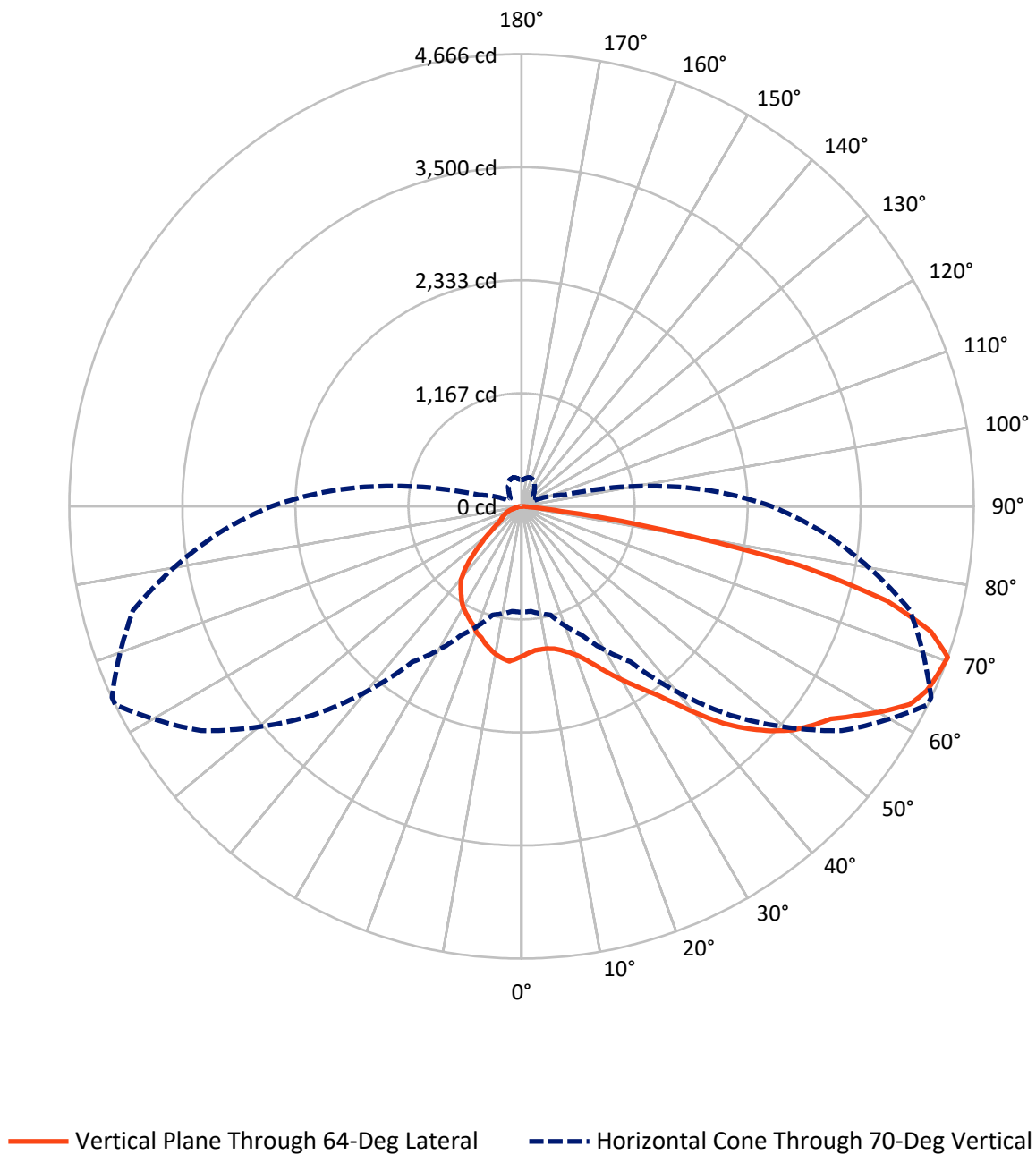
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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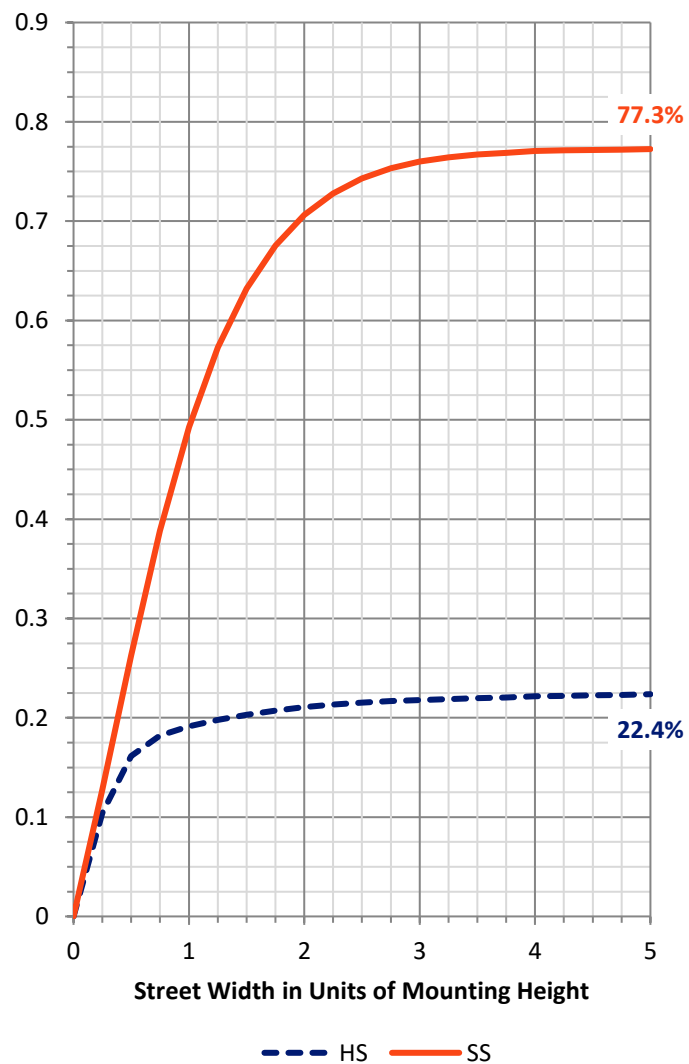
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1895.2	0.0	1895.2
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6447.8	0.0	6447.8
	% Fixture	77.3	0.0	77.3
Total	Lumens	8343.0	0.0	8343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	1.8
10°-20°	435.1	5.2
20°-30°	722.2	8.7
30°-40°	1033.0	12.4
40°-50°	1379.5	16.5
50°-60°	1667.1	20.0
60°-70°	1774.3	21.3
70°-80°	1090.0	13.1
80°-90°	93.3	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°	8343.0	100.0
0°-180°	8343.0	100.0

Coefficient of Utilization



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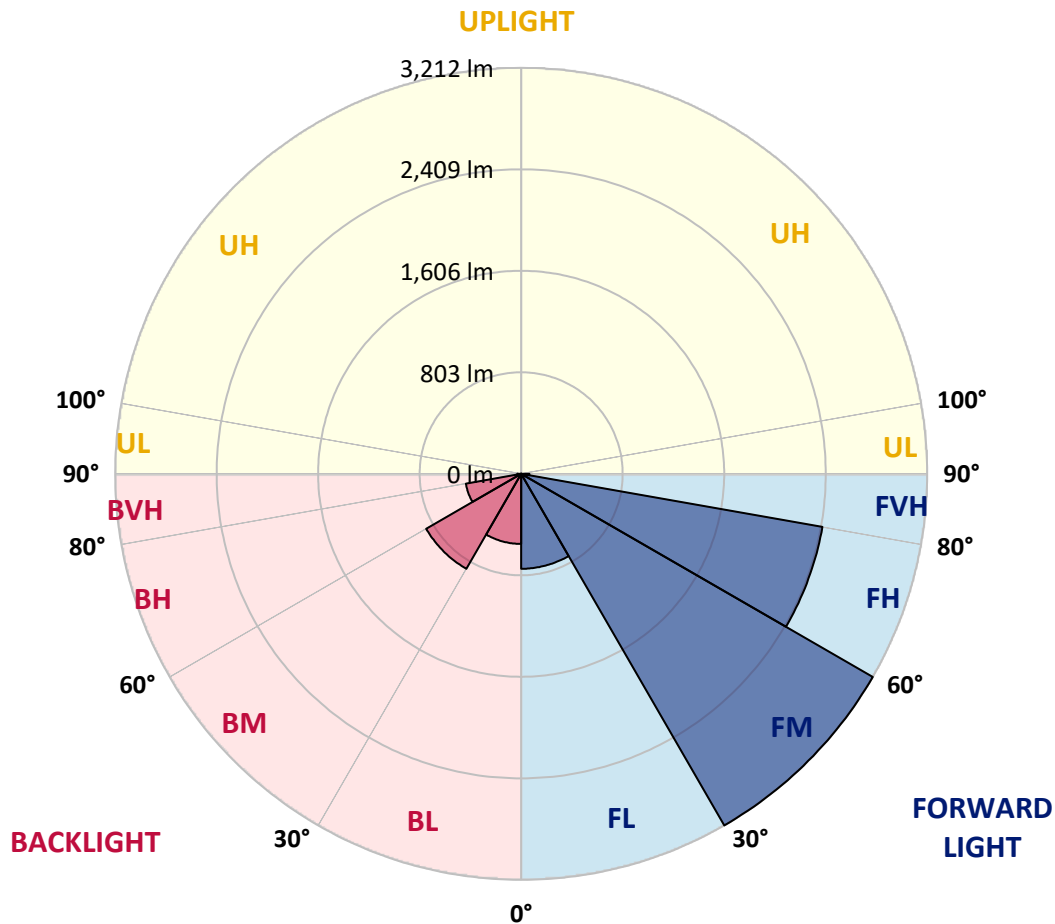
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	751.3	9.0			
FM	(30°-60°)	3211.9	38.5			
FH	(60°-80°)	2419.8	29.0			G2/5000
FVH	(80°-90°)	64.8	0.8			G1/100
BL	(0°-30°)	554.5	6.6	B2/1000		
BM	(30°-60°)	867.8	10.4	B1/1000		
BH	(60°-80°)	444.5	5.3	B1/500		G1/500
BVH	(80°-90°)	28.5	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°	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1
2.5°	1506.2	1506.2	1506.2	1506.2	1509.0	1511.9	1509.0	1511.9	1511.9	1517.5	1526.0
5°	1531.7	1531.7	1526.0	1514.7	1506.2	1494.8	1489.2	1492.0	1492.0	1506.2	1528.9
7.5°	1540.2	1540.2	1534.5	1534.5	1526.0	1500.5	1492.0	1489.2	1492.0	1497.7	1528.9
10°	1582.8	1579.9	1565.8	1548.7	1537.4	1514.7	1494.8	1492.0	1494.8	1503.3	1537.4
12.5°	1628.2	1628.2	1622.5	1608.3	1577.1	1554.4	1520.4	1509.0	1506.2	1514.7	1534.5
15°	1718.9	1707.6	1684.9	1665.0	1642.3	1605.5	1560.1	1540.2	1534.5	1545.9	1537.4
17.5°	1772.8	1764.3	1767.1	1735.9	1716.1	1665.0	1619.6	1582.8	1579.9	1591.3	1554.4
20°	1832.4	1829.5	1835.2	1832.4	1801.2	1755.8	1684.9	1639.5	1633.8	1636.7	1579.9
22.5°	1923.1	1923.1	1920.3	1920.3	1903.3	1849.4	1770.0	1724.6	1716.1	1696.2	1622.5
25°	2022.4	2022.4	2022.4	2028.1	2028.1	1965.7	1886.3	1835.2	1829.5	1801.2	1693.4
27.5°	2116.0	2121.7	2124.5	2127.4	2135.9	2107.5	2019.6	1960.0	1957.2	1920.3	1787.0
30°	2189.8	2192.6	2218.1	2223.8	2240.8	2232.3	2147.2	2090.5	2096.2	2048.0	1891.9
32.5°	2255.0	2257.9	2294.7	2314.6	2334.4	2337.3	2266.4	2226.7	2226.7	2184.1	2019.6
35°	2317.4	2320.3	2365.6	2413.9	2453.6	2442.2	2402.5	2379.8	2388.3	2374.2	2195.5
37.5°	2371.3	2382.7	2442.2	2513.1	2558.5	2567.0	2550.0	2581.2	2598.2	2620.9	2433.7
40°	2422.4	2428.0	2484.8	2558.5	2635.1	2674.8	2694.7	2822.3	2839.3	2856.4	2569.9
42.5°	2374.2	2385.5	2507.5	2618.1	2714.5	2782.6	2876.2	3063.4	3100.3	3006.7	2754.2
45°	2317.4	2331.6	2453.6	2640.8	2776.9	2901.7	3074.8	3273.3	3301.7	3159.9	2853.5
47.5°	2269.2	2286.2	2411.0	2620.9	2842.2	3063.4	3236.5	3460.5	3477.6	3290.3	2989.7
50°	2215.3	2229.5	2362.8	2595.4	2876.2	3210.9	3406.6	3630.7	3636.4	3398.1	3060.6
52.5°	2144.4	2158.6	2294.7	2555.7	2901.7	3310.2	3548.5	3755.5	3732.8	3537.1	3142.8
55°	2053.6	2073.5	2221.0	2501.8	2915.9	3369.8	3644.9	3871.8	3860.5	3701.6	3250.6
57.5°	1957.2	1977.0	2127.4	2428.0	2901.7	3406.6	3744.2	4073.2	4070.4	3835.0	3330.1
60°	1849.4	1866.4	1994.1	2331.6	2825.2	3466.2	3962.6	4291.6	4314.3	3985.3	3361.3
62.5°	1707.6	1710.4	1838.1	2192.6	2725.9	3508.8	4118.6	4498.7	4484.5	4084.6	3366.9
65°	1520.4	1528.9	1642.3	1999.7	2564.2	3474.7	4158.3	4592.3	4592.3	4158.3	3361.3
67.5°	1338.8	1336.0	1432.4	1758.6	2314.6	3324.4	4124.3	4632.0	4651.9	4206.5	3287.5
70°	1092.1	1086.4	1160.1	1463.6	1957.2	3046.4	4036.3	4666.0	4663.2	4149.8	3131.5
72.5°	808.4	805.6	856.6	1109.1	1497.7	2606.7	3775.4	4416.4	4388.1	3877.5	2828.0
75°	448.2	425.5	422.6	686.4	870.8	1826.7	3208.1	3894.5	3905.9	3426.5	2368.5
77.5°	65.2	68.1	70.9	124.8	150.3	683.6	2084.8	2935.8	2930.1	2643.6	1727.4
80°	45.4	48.2	51.1	62.4	70.9	161.7	720.5	1480.7	1565.8	1389.9	797.1
82.5°	34.0	34.0	36.9	42.5	39.7	73.7	224.1	411.3	425.5	385.8	235.4
85°	22.7	22.7	19.9	22.7	14.2	19.9	51.1	76.6	82.3	79.4	65.2
87.5°	11.3	11.3	8.5	8.5	5.7	5.7	5.7	2.8	5.7	2.8	5.7
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°	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1	1543.1
2.5°	1534.5	1540.2	1557.2	1571.4	1588.4	1608.3	1619.6	1631.0	1642.3	1636.7	1645.2
5°	1540.2	1551.6	1577.1	1602.6	1616.8	1619.6	1622.5	1631.0	1648.0	1648.0	1662.2
7.5°	1545.9	1565.8	1565.8	1579.9	1599.8	1605.5	1608.3	1614.0	1622.5	1625.3	1622.5
10°	1545.9	1537.4	1551.6	1554.4	1545.9	1560.1	1568.6	1565.8	1574.3	1577.1	1577.1
12.5°	1528.9	1526.0	1514.7	1514.7	1511.9	1489.2	1489.2	1511.9	1511.9	1526.0	1528.9
15°	1528.9	1506.2	1492.0	1472.1	1452.3	1443.8	1432.4	1415.4	1421.1	1440.9	1446.6
17.5°	1526.0	1500.5	1458.0	1418.3	1404.1	1370.0	1358.7	1358.7	1355.8	1367.2	1370.0
20°	1537.4	1500.5	1435.3	1389.9	1313.3	1302.0	1279.3	1282.1	1284.9	1267.9	1259.4
22.5°	1568.6	1523.2	1418.3	1330.3	1270.8	1219.7	1177.1	1148.8	1145.9	1137.4	1145.9
25°	1616.8	1562.9	1421.1	1296.3	1199.8	1126.1	1097.7	1029.7	998.4	1001.3	1018.3
27.5°	1704.7	1611.1	1435.3	1259.4	1143.1	1038.2	947.4	904.8	870.8	870.8	876.5
30°	1787.0	1684.9	1429.6	1228.2	1055.2	924.7	808.4	740.3	729.0	717.6	714.8
32.5°	1940.2	1778.5	1486.3	1182.8	972.9	780.0	663.7	570.1	578.6	581.5	587.2
35°	2093.3	1928.8	1497.7	1126.1	853.8	635.4	513.4	462.4	485.0	490.7	496.4
37.5°	2297.6	2116.0	1574.3	1075.0	731.8	487.9	408.5	385.8	408.5	408.5	411.3
40°	2408.2	2204.0	1636.7	1024.0	573.0	360.2	320.5	303.5	331.9	354.6	360.2
42.5°	2564.2	2317.4	1693.4	921.9	405.6	269.5	246.8	280.8	326.2	348.9	351.7
45°	2643.6	2374.2	1673.5	785.7	266.6	218.4	241.1	283.7	329.0	351.7	354.6
47.5°	2751.4	2453.6	1633.8	626.9	212.7	215.6	243.9	292.2	337.5	357.4	360.2
50°	2856.4	2535.8	1531.7	499.2	204.2	215.6	249.6	295.0	334.7	348.9	346.1
52.5°	2915.9	2612.4	1401.2	380.1	204.2	218.4	255.3	300.7	331.9	334.7	334.7
55°	2969.8	2620.9	1293.4	295.0	201.4	221.2	261.0	306.3	334.7	334.7	329.0
57.5°	3003.9	2586.9	1211.2	255.3	201.4	221.2	261.0	306.3	348.9	357.4	348.9
60°	2989.7	2521.7	1154.5	238.3	195.7	218.4	258.1	314.9	428.3	448.2	431.1
62.5°	2955.6	2484.8	1032.5	218.4	187.2	209.9	252.4	340.4	459.5	462.4	448.2
65°	2924.4	2362.8	885.0	195.7	175.9	201.4	243.9	346.1	388.6	374.4	371.6
67.5°	2782.6	2204.0	675.1	173.0	158.8	190.0	235.4	317.7	346.1	329.0	323.4
70°	2581.2	1926.0	451.0	147.5	141.8	175.9	235.4	297.8	309.2	280.8	269.5
72.5°	2212.5	1594.1	246.8	119.1	119.1	161.7	212.7	278.0	286.5	252.4	232.6
75°	1801.2	1154.5	158.8	90.8	90.8	136.2	192.9	263.8	280.8	243.9	218.4
77.5°	1239.6	632.5	110.6	65.2	59.6	105.0	153.2	215.6	249.6	209.9	178.7
80°	419.8	167.4	70.9	42.5	36.9	59.6	102.1	167.4	226.9	215.6	192.9
82.5°	164.5	105.0	48.2	28.4	25.5	28.4	51.1	105.0	181.5	195.7	226.9
85°	48.2	28.4	17.0	14.2	14.2	14.2	14.2	42.5	107.8	141.8	178.7
87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	25.5	45.4	59.6
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)