

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: P691893

Luminaire Tested: **CRTK2-C01H-D-U-T3-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T3-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8918 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

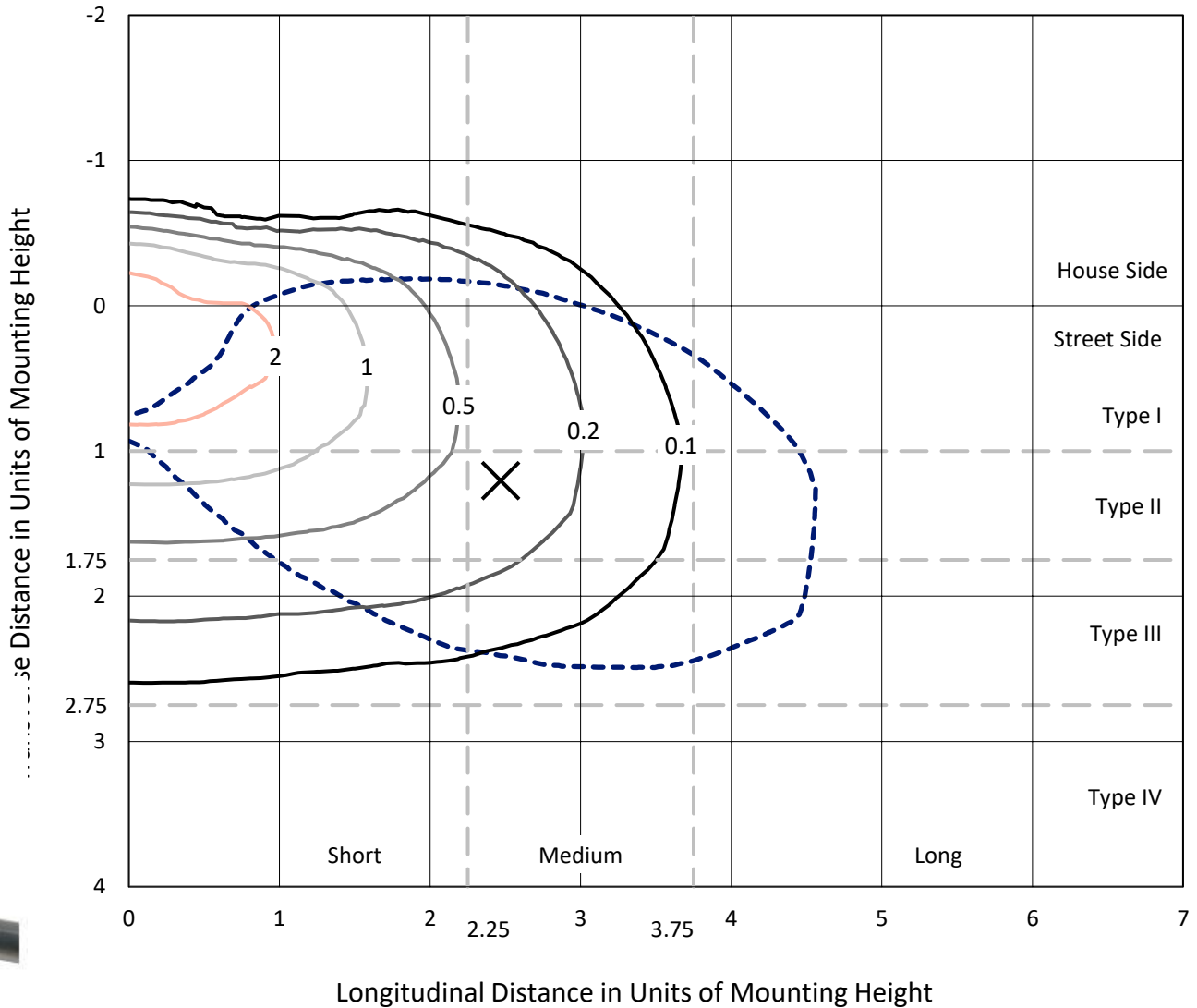
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

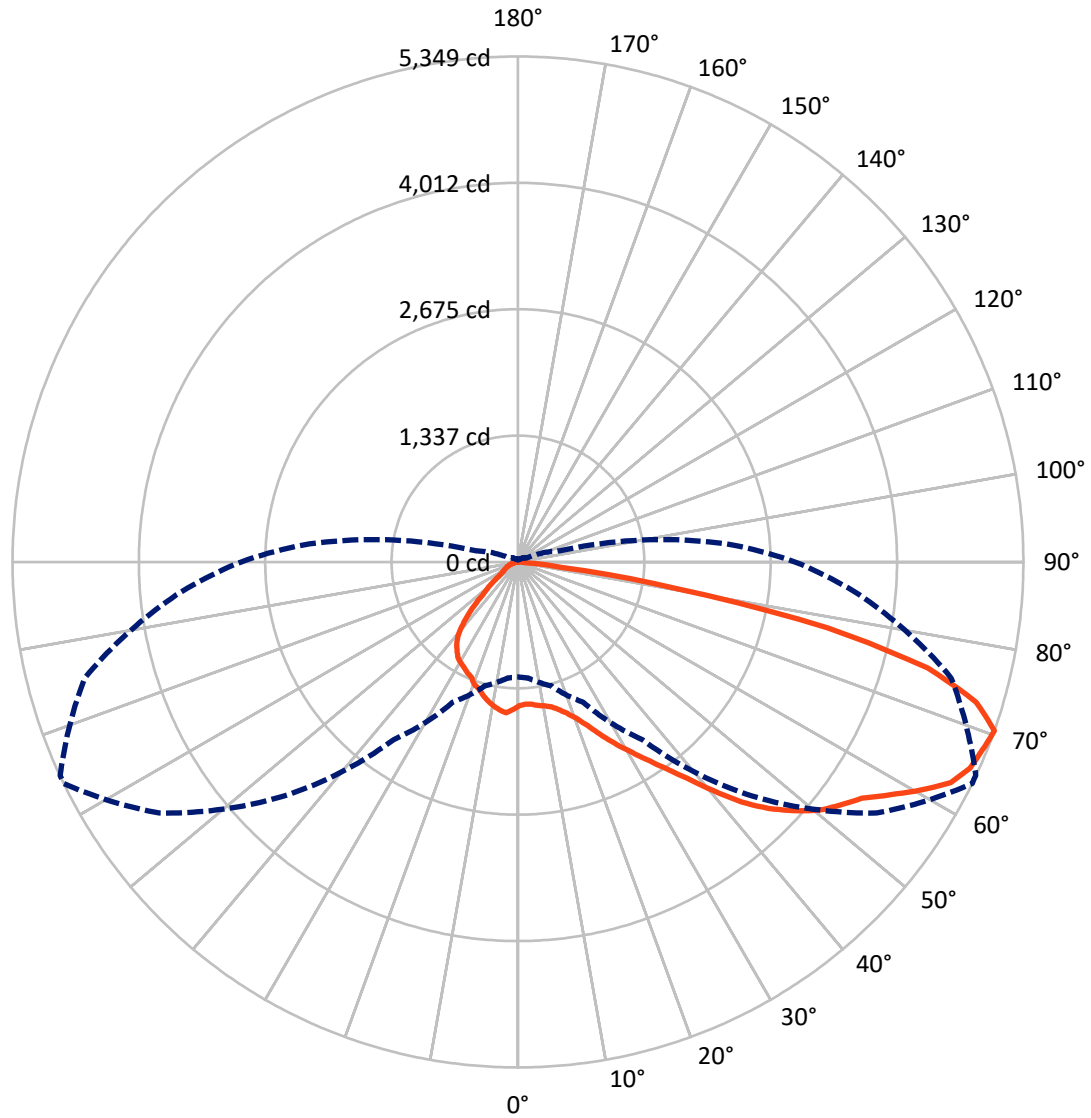
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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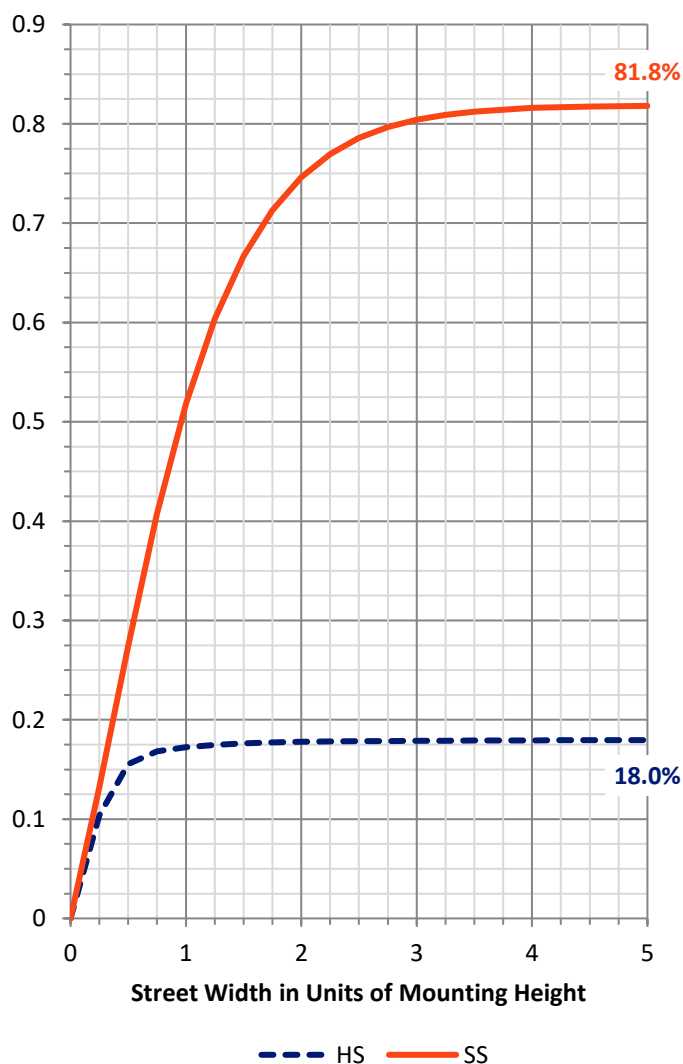
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1620.8	0.0	1620.8
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	7297.2	0.0	7297.2
	% Fixture	81.8	0.0	81.8
Total	Lumens	8918.0	0.0	8918.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	1.7
10°-20°	439.0	4.9
20°-30°	739.7	8.3
30°-40°	1088.6	12.2
40°-50°	1492.8	16.7
50°-60°	1816.4	20.4
60°-70°	1928.5	21.6
70°-80°	1182.2	13.3
80°-90°	82.5	0.9
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°	8918.0	100.0
0°-180°	8918.0	100.0

Coefficient of Utilization



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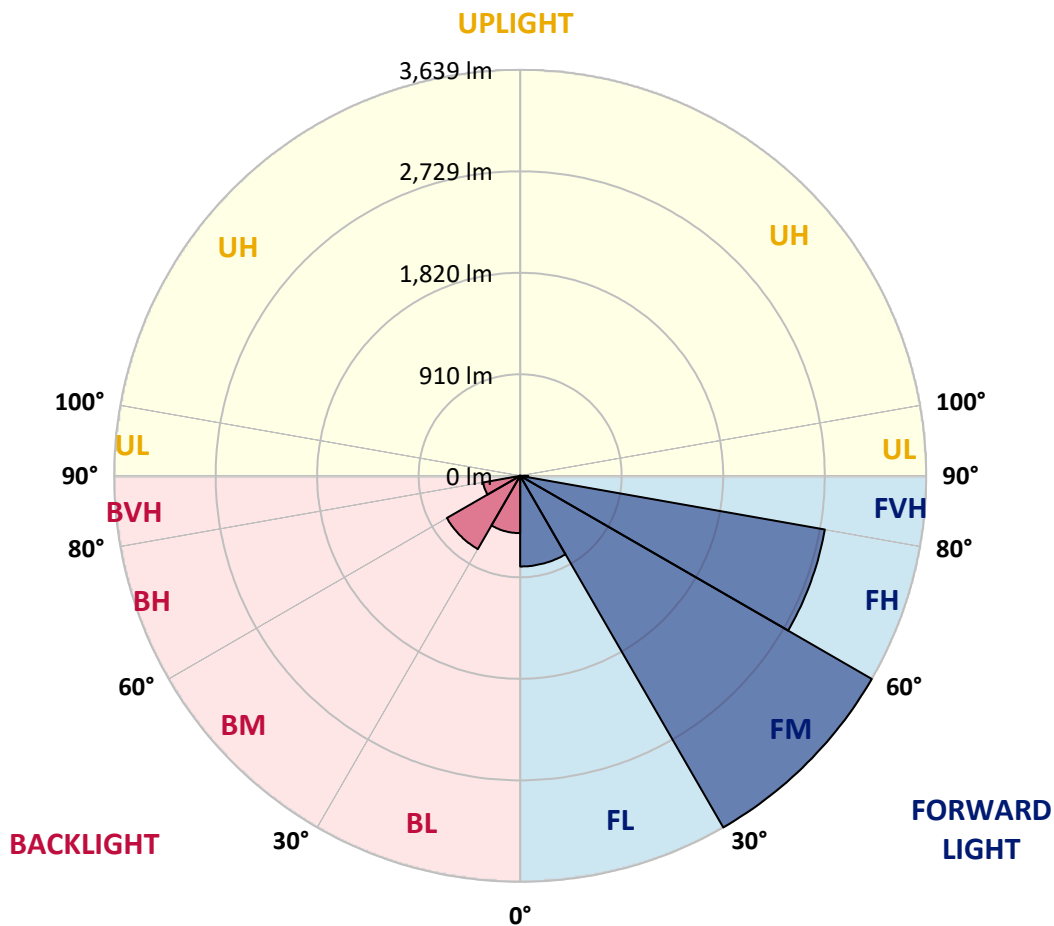
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	812.9	9.1			
FM (30°-60°)	3639.2	40.8			
FH (60°-80°)	2773.2	31.1			G2/5000
FVH (80°-90°)	71.9	0.8			G1/100
BL (0°-30°)	514.2	5.8	B2/1000		
BM (30°-60°)	758.6	8.5	B1/1000		
BH (60°-80°)	337.4	3.8	B1/500		G1/500
BVH (80°-90°)	10.6	0.1			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°	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8
2.5°	1506.4	1506.4	1509.7	1506.4	1512.9	1503.1	1506.4	1506.4	1506.4	1509.7	1519.5
5°	1552.2	1552.2	1545.6	1535.8	1526.0	1512.9	1512.9	1512.9	1512.9	1519.5	1542.4
7.5°	1581.6	1578.3	1578.3	1578.3	1568.5	1542.4	1535.8	1532.6	1532.6	1532.6	1555.4
10°	1653.5	1643.7	1630.6	1611.0	1601.2	1578.3	1552.2	1548.9	1548.9	1552.2	1581.6
12.5°	1722.1	1712.3	1712.3	1699.2	1660.0	1633.9	1588.1	1571.8	1571.8	1578.3	1594.6
15°	1836.5	1826.6	1800.5	1777.6	1741.7	1695.9	1650.2	1620.8	1617.5	1630.6	1607.7
17.5°	1918.1	1901.8	1905.1	1869.1	1839.7	1774.4	1728.6	1682.9	1682.9	1695.9	1650.2
20°	1996.6	1996.6	1999.8	1996.6	1947.6	1895.3	1820.1	1764.6	1767.8	1771.1	1699.2
22.5°	2114.2	2110.9	2110.9	2114.2	2081.5	2022.7	1941.0	1878.9	1875.7	1849.5	1761.3
25°	2251.4	2244.9	2231.8	2244.9	2228.6	2160.0	2081.5	2019.4	2009.6	1973.7	1852.8
27.5°	2365.8	2365.8	2365.8	2372.4	2372.4	2323.3	2235.1	2169.8	2176.3	2127.3	1960.6
30°	2447.5	2447.5	2476.9	2490.0	2499.8	2483.5	2388.7	2320.1	2333.1	2274.3	2094.6
32.5°	2535.7	2532.5	2571.7	2601.1	2614.2	2620.7	2542.3	2486.7	2490.0	2437.7	2248.2
35°	2617.4	2610.9	2663.2	2725.3	2757.9	2751.4	2695.9	2676.3	2682.8	2666.4	2457.3
37.5°	2676.3	2686.1	2754.7	2836.4	2888.7	2901.7	2865.8	2901.7	2937.7	2960.5	2728.5
40°	2741.6	2741.6	2807.0	2895.2	2976.9	3025.9	3052.0	3182.7	3212.2	3228.5	2888.7
42.5°	2676.3	2699.1	2836.4	2963.8	3071.6	3146.8	3254.6	3473.6	3506.2	3404.9	3101.1
45°	2620.7	2640.3	2777.6	2993.2	3150.1	3297.1	3493.2	3721.9	3754.6	3581.4	3222.0
47.5°	2565.1	2588.0	2731.8	2970.3	3222.0	3463.8	3686.0	3934.3	3950.7	3735.0	3382.1
50°	2503.1	2525.9	2676.3	2940.9	3264.4	3643.5	3875.5	4130.4	4133.6	3869.0	3463.8
52.5°	2424.6	2454.0	2604.4	2898.5	3300.4	3764.4	4045.4	4274.2	4254.6	4032.3	3561.8
55°	2326.6	2359.3	2525.9	2842.9	3320.0	3842.8	4156.5	4414.7	4401.6	4221.9	3689.2
57.5°	2215.5	2251.4	2424.6	2757.9	3313.5	3882.0	4270.9	4646.7	4653.2	4378.7	3784.0
60°	2088.1	2120.7	2284.1	2646.8	3228.5	3953.9	4516.0	4901.6	4924.4	4551.9	3823.2
62.5°	1921.4	1950.8	2107.7	2483.5	3120.7	4006.2	4702.2	5143.4	5133.6	4669.6	3836.3
65°	1712.3	1745.0	1892.0	2267.8	2950.7	3973.5	4761.0	5257.7	5257.7	4754.5	3826.5
67.5°	1499.9	1529.3	1653.5	1993.3	2676.3	3810.1	4725.1	5303.5	5332.9	4810.1	3738.3
70°	1215.6	1231.9	1356.1	1637.1	2293.9	3503.0	4633.6	5349.2	5346.0	4748.0	3571.6
72.5°	892.1	911.7	1013.0	1228.7	1774.4	3032.4	4346.0	5071.5	5019.2	4414.7	3248.1
75°	460.7	480.4	558.8	771.2	1130.6	2140.3	3705.6	4480.0	4470.2	3908.2	2689.3
77.5°	62.1	62.1	71.9	127.4	261.4	852.9	2427.9	3355.9	3336.3	2980.1	1954.1
80°	42.5	42.5	49.0	58.8	75.2	186.3	856.1	1702.5	1731.9	1535.8	875.7
82.5°	32.7	29.4	35.9	42.5	45.7	85.0	261.4	470.5	477.1	428.1	268.0
85°	19.6	19.6	19.6	19.6	16.3	22.9	58.8	78.4	88.2	85.0	68.6
87.5°	9.8	9.8	9.8	6.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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°	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8
2.5°	1522.8	1532.6	1545.6	1562.0	1578.3	1591.4	1604.4	1611.0	1617.5	1620.8	1624.0
5°	1548.9	1562.0	1578.3	1601.2	1601.2	1591.4	1584.8	1584.8	1591.4	1601.2	1604.4
7.5°	1575.0	1588.1	1581.6	1578.3	1581.6	1568.5	1552.2	1542.4	1535.8	1535.8	1542.4
10°	1584.8	1571.8	1565.2	1548.9	1516.2	1509.7	1496.6	1470.5	1463.9	1470.5	1447.6
12.5°	1578.3	1568.5	1535.8	1509.7	1477.0	1421.5	1388.8	1388.8	1372.4	1369.2	1372.4
15°	1594.6	1562.0	1522.8	1467.2	1408.4	1362.6	1310.4	1264.6	1251.5	1254.8	1254.8
17.5°	1607.7	1575.0	1496.6	1411.6	1359.4	1277.7	1218.9	1192.7	1169.8	1166.6	1166.6
20°	1637.1	1591.4	1480.3	1388.8	1258.1	1196.0	1130.6	1097.9	1062.0	1013.0	996.7
22.5°	1682.9	1620.8	1470.5	1326.7	1212.3	1114.3	1019.5	921.5	862.7	823.5	833.3
25°	1745.0	1676.3	1480.3	1303.8	1143.7	1019.5	895.4	761.4	673.1	647.0	663.3
27.5°	1856.1	1738.4	1509.7	1271.1	1094.7	908.4	722.2	604.5	522.8	496.7	506.5
30°	1957.4	1833.2	1512.9	1251.5	1016.3	777.7	568.6	437.9	372.5	333.3	323.5
32.5°	2140.3	1934.5	1594.6	1225.4	934.6	633.9	418.3	290.8	232.0	209.1	202.6
35°	2320.1	2114.2	1617.5	1176.4	784.2	470.5	258.1	173.2	140.5	124.2	120.9
37.5°	2568.4	2333.1	1712.3	1124.1	633.9	287.6	156.8	104.6	98.0	94.8	94.8
40°	2692.6	2447.5	1790.7	1048.9	444.4	163.4	101.3	91.5	88.2	85.0	85.0
42.5°	2869.0	2578.2	1856.1	915.0	261.4	107.8	91.5	85.0	81.7	78.4	78.4
45°	2967.1	2646.8	1839.7	751.6	130.7	101.3	88.2	81.7	75.2	75.2	75.2
47.5°	3097.8	2748.1	1797.2	555.5	117.6	98.0	85.0	78.4	75.2	78.4	75.2
50°	3222.0	2846.2	1679.6	441.1	114.4	94.8	85.0	75.2	75.2	75.2	75.2
52.5°	3290.6	2937.7	1532.6	323.5	117.6	94.8	81.7	75.2	75.2	71.9	75.2
55°	3355.9	2950.7	1414.9	235.3	117.6	91.5	78.4	71.9	68.6	65.4	65.4
57.5°	3401.7	2921.3	1320.2	196.1	117.6	91.5	75.2	68.6	58.8	55.6	55.6
60°	3388.6	2849.4	1241.7	179.7	111.1	85.0	68.6	58.8	52.3	45.7	45.7
62.5°	3352.7	2807.0	1097.9	156.8	101.3	78.4	62.1	49.0	42.5	39.2	39.2
65°	3320.0	2673.0	931.3	140.5	94.8	68.6	52.3	42.5	35.9	32.7	32.7
67.5°	3163.1	2496.5	692.8	120.9	85.0	62.1	45.7	39.2	32.7	29.4	26.1
70°	2931.1	2212.2	454.2	104.6	75.2	52.3	39.2	32.7	26.1	22.9	22.9
72.5°	2535.7	1826.6	235.3	85.0	62.1	45.7	35.9	29.4	22.9	19.6	19.6
75°	2058.7	1343.0	140.5	65.4	49.0	39.2	29.4	22.9	19.6	16.3	16.3
77.5°	1424.7	741.8	101.3	49.0	32.7	29.4	22.9	19.6	16.3	13.1	13.1
80°	480.4	202.6	71.9	35.9	22.9	22.9	16.3	13.1	13.1	9.8	9.8
82.5°	189.5	124.2	49.0	26.1	19.6	16.3	13.1	9.8	9.8	9.8	9.8
85°	52.3	35.9	19.6	13.1	9.8	9.8	9.8	6.5	6.5	6.5	6.5
87.5°	3.3	6.5	6.5	6.5	6.5	6.5	3.3	3.3	3.3	3.3	3.3
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)