

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: P690973

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690973
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-C01-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: 7959 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

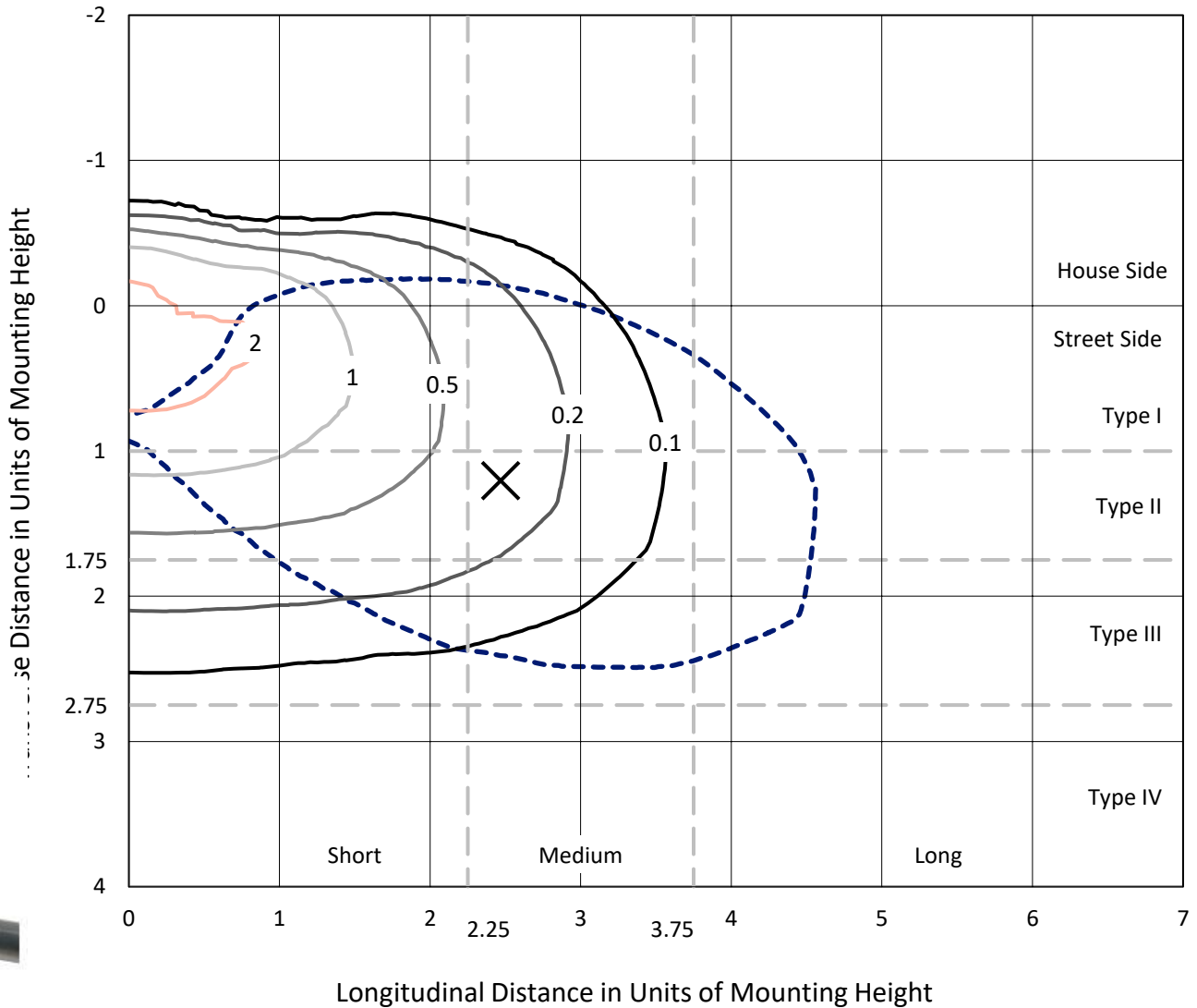
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

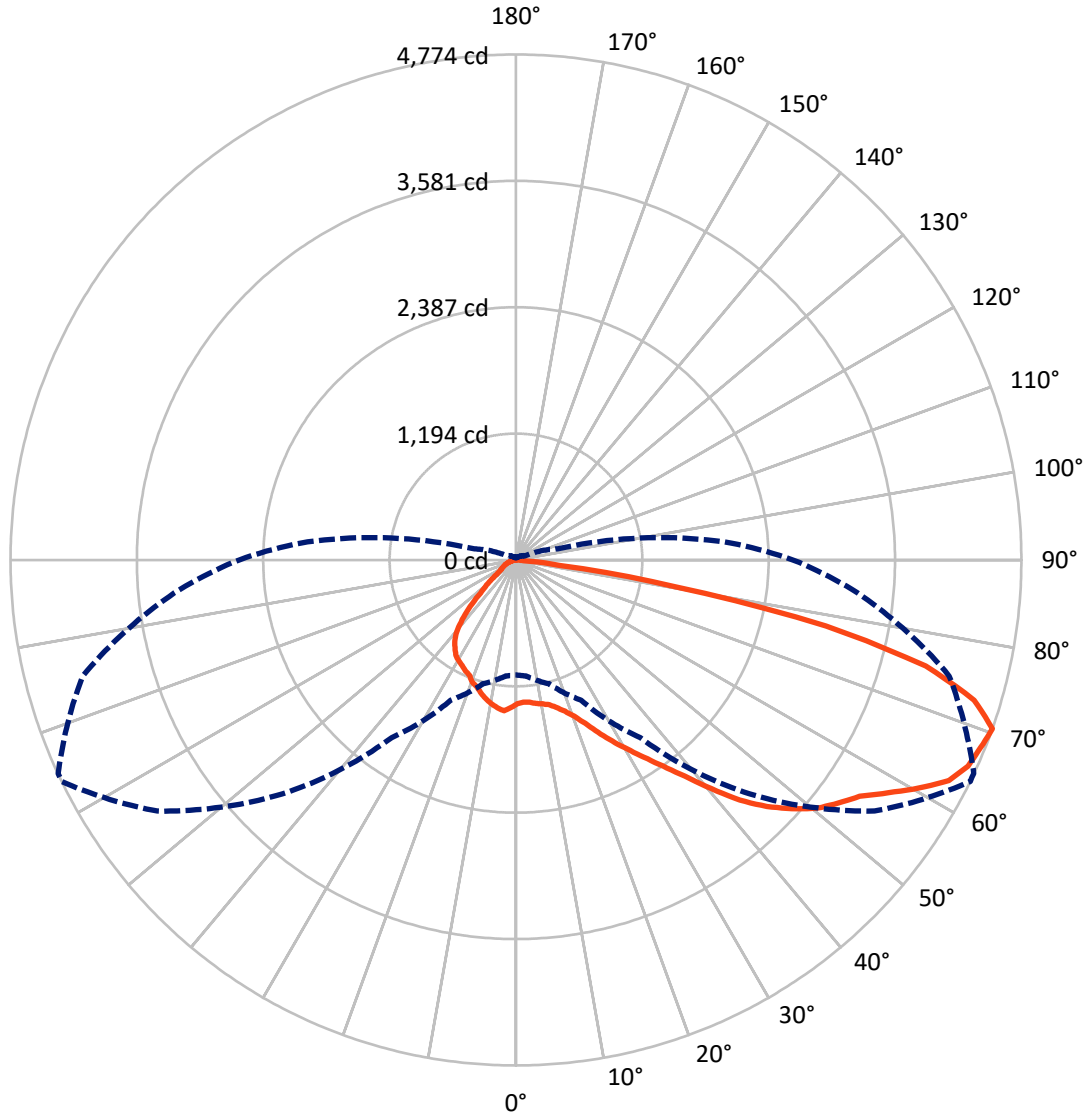
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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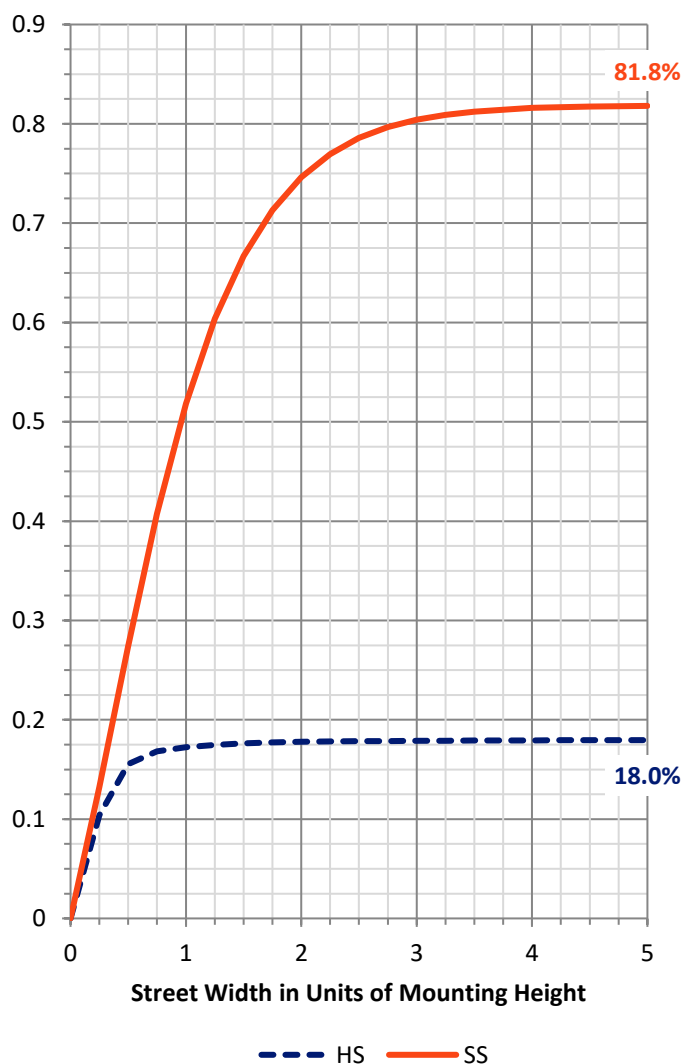
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1446.5	0.0	1446.5
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	6512.5	0.0	6512.5
	% Fixture	81.8	0.0	81.8
Total	Lumens	7959.0	0.0	7959.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	1.7
10°-20°	391.8	4.9
20°-30°	660.1	8.3
30°-40°	971.5	12.2
40°-50°	1332.3	16.7
50°-60°	1621.1	20.4
60°-70°	1721.1	21.6
70°-80°	1055.0	13.3
80°-90°	73.6	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°	7959.0	100.0
0°-180°	7959.0	100.0

Coefficient of Utilization



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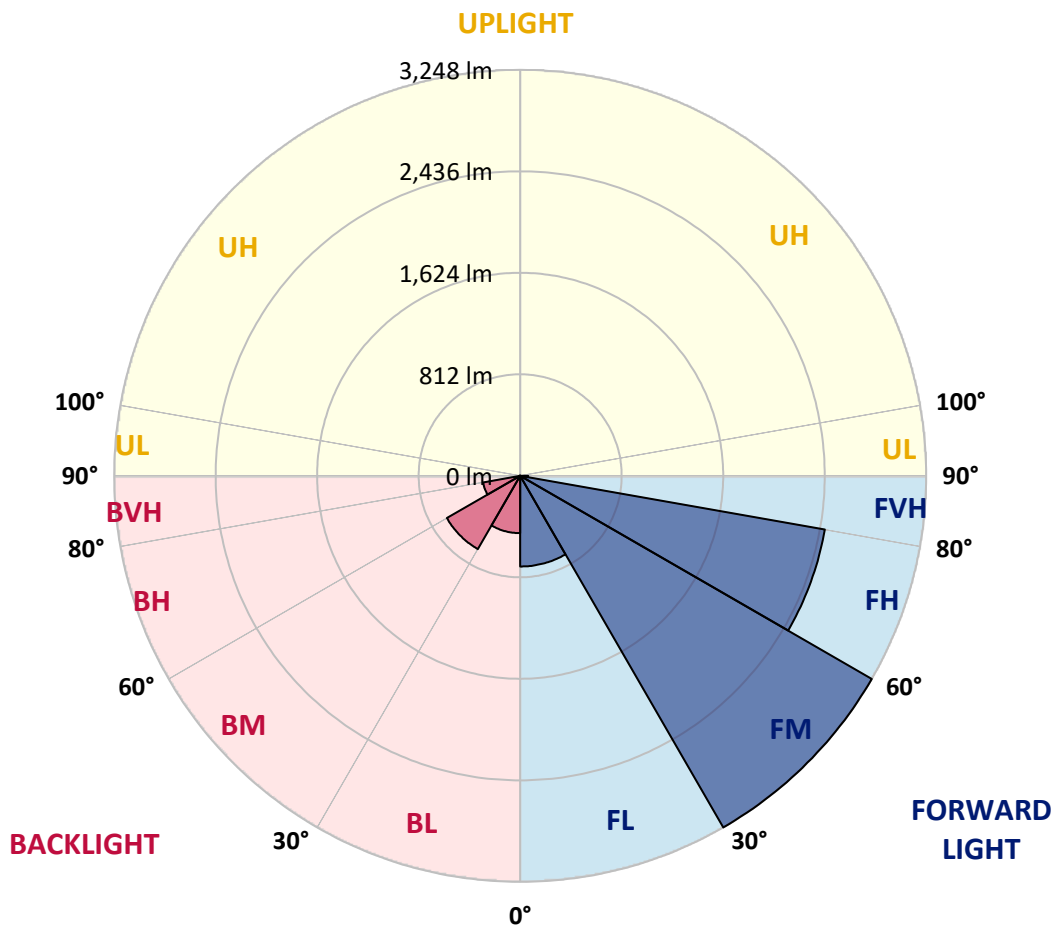
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.5	9.1			
FM (30°-60°)	3247.8	40.8			
FH (60°-80°)	2475.0	31.1			G2/5000
FVH (80°-90°)	64.2	0.8			G1/100
BL (0°-30°)	458.9	5.8	B1/500		
BM (30°-60°)	677.0	8.5	B1/1000		
BH (60°-80°)	301.1	3.8	B1/500		G1/500
BVH (80°-90°)	9.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0
2.5°	1344.4	1344.4	1347.3	1344.4	1350.3	1341.5	1344.4	1344.4	1344.4	1347.3	1356.1
5°	1385.2	1385.2	1379.4	1370.7	1361.9	1350.3	1350.3	1350.3	1350.3	1356.1	1376.5
7.5°	1411.5	1408.6	1408.6	1408.6	1399.8	1376.5	1370.7	1367.8	1367.8	1367.8	1388.2
10°	1475.7	1466.9	1455.2	1437.7	1429.0	1408.6	1385.2	1382.3	1382.3	1385.2	1411.5
12.5°	1536.9	1528.1	1528.1	1516.5	1481.5	1458.2	1417.3	1402.7	1402.7	1408.6	1423.2
15°	1639.0	1630.2	1606.9	1586.5	1554.4	1513.6	1472.7	1446.5	1443.6	1455.2	1434.8
17.5°	1711.9	1697.3	1700.2	1668.1	1641.9	1583.6	1542.7	1501.9	1501.9	1513.6	1472.7
20°	1781.9	1781.9	1784.8	1781.9	1738.1	1691.5	1624.4	1574.8	1577.7	1580.6	1516.5
22.5°	1886.9	1883.9	1883.9	1886.9	1857.7	1805.2	1732.3	1676.9	1674.0	1650.6	1571.9
25°	2009.3	2003.5	1991.8	2003.5	1988.9	1927.7	1857.7	1802.3	1793.5	1761.5	1653.5
27.5°	2111.4	2111.4	2111.4	2117.2	2117.2	2073.5	1994.8	1936.4	1942.3	1898.5	1749.8
30°	2184.3	2184.3	2210.6	2222.2	2231.0	2216.4	2131.8	2070.6	2082.2	2029.8	1869.4
32.5°	2263.1	2260.1	2295.1	2321.4	2333.0	2338.9	2268.9	2219.3	2222.2	2175.6	2006.4
35°	2336.0	2330.1	2376.8	2432.2	2461.4	2455.5	2406.0	2388.5	2394.3	2379.7	2193.1
37.5°	2388.5	2397.2	2458.5	2531.4	2578.0	2589.7	2557.6	2589.7	2621.8	2642.2	2435.1
40°	2446.8	2446.8	2505.1	2583.9	2656.8	2700.5	2723.8	2840.5	2866.7	2881.3	2578.0
42.5°	2388.5	2408.9	2531.4	2645.1	2741.3	2808.4	2904.6	3100.0	3129.2	3038.8	2767.6
45°	2338.9	2356.4	2478.9	2671.3	2811.3	2942.6	3117.5	3321.7	3350.8	3196.3	2875.5
47.5°	2289.3	2309.7	2438.0	2650.9	2875.5	3091.3	3289.6	3511.2	3525.8	3333.3	3018.4
50°	2233.9	2254.3	2388.5	2624.7	2913.4	3251.7	3458.7	3686.2	3689.1	3452.9	3091.3
52.5°	2163.9	2190.2	2324.3	2586.8	2945.5	3359.6	3610.4	3814.5	3797.0	3598.7	3178.8
55°	2076.4	2105.6	2254.3	2537.2	2963.0	3429.6	3709.5	3939.9	3928.3	3767.9	3292.5
57.5°	1977.3	2009.3	2163.9	2461.4	2957.1	3464.6	3811.6	4147.0	4152.8	3907.9	3377.1
60°	1863.5	1892.7	2038.5	2362.2	2881.3	3528.7	4030.3	4374.5	4394.9	4062.4	3412.1
62.5°	1714.8	1741.0	1881.0	2216.4	2785.1	3575.4	4196.6	4590.3	4581.5	4167.4	3423.8
65°	1528.1	1557.3	1688.5	2023.9	2633.4	3546.2	4249.1	4692.3	4692.3	4243.2	3415.0
67.5°	1338.6	1364.8	1475.7	1779.0	2388.5	3400.4	4217.0	4733.2	4759.4	4292.8	3336.3
70°	1084.9	1099.4	1210.3	1461.1	2047.3	3126.3	4135.3	4774.0	4771.1	4237.4	3187.5
72.5°	796.2	813.7	904.1	1096.5	1583.6	2706.3	3878.7	4526.1	4479.5	3939.9	2898.8
75°	411.2	428.7	498.7	688.2	1009.0	1910.2	3307.1	3998.3	3989.5	3487.9	2400.1
77.5°	55.4	55.4	64.2	113.7	233.3	761.2	2166.8	2995.1	2977.6	2659.7	1744.0
80°	37.9	37.9	43.7	52.5	67.1	166.2	764.1	1519.4	1545.6	1370.7	781.6
82.5°	29.2	26.2	32.1	37.9	40.8	75.8	233.3	419.9	425.8	382.0	239.1
85°	17.5	17.5	17.5	17.5	14.6	20.4	52.5	70.0	78.7	75.8	61.2
87.5°	8.7	8.7	8.7	5.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0
2.5°	1359.0	1367.8	1379.4	1394.0	1408.6	1420.2	1431.9	1437.7	1443.6	1446.5	1449.4
5°	1382.3	1394.0	1408.6	1429.0	1429.0	1420.2	1414.4	1414.4	1420.2	1429.0	1431.9
7.5°	1405.7	1417.3	1411.5	1408.6	1411.5	1399.8	1385.2	1376.5	1370.7	1370.7	1376.5
10°	1414.4	1402.7	1396.9	1382.3	1353.2	1347.3	1335.7	1312.3	1306.5	1312.3	1291.9
12.5°	1408.6	1399.8	1370.7	1347.3	1318.2	1268.6	1239.4	1239.4	1224.9	1221.9	1224.9
15°	1423.2	1394.0	1359.0	1309.4	1256.9	1216.1	1169.4	1128.6	1116.9	1119.9	1119.9
17.5°	1434.8	1405.7	1335.7	1259.8	1213.2	1140.3	1087.8	1064.5	1044.0	1041.1	1041.1
20°	1461.1	1420.2	1321.1	1239.4	1122.8	1067.4	1009.0	979.9	947.8	904.1	889.5
22.5°	1501.9	1446.5	1312.3	1184.0	1082.0	994.5	909.9	822.4	769.9	734.9	743.7
25°	1557.3	1496.1	1321.1	1163.6	1020.7	909.9	799.1	679.5	600.8	577.4	592.0
27.5°	1656.5	1551.5	1347.3	1134.4	977.0	810.7	644.5	539.5	466.6	443.3	452.0
30°	1746.9	1636.1	1350.3	1116.9	907.0	694.1	507.4	390.8	332.5	297.5	288.7
32.5°	1910.2	1726.5	1423.2	1093.6	834.1	565.8	373.3	259.6	207.1	186.6	180.8
35°	2070.6	1886.9	1443.6	1049.9	699.9	419.9	230.4	154.6	125.4	110.8	107.9
37.5°	2292.2	2082.2	1528.1	1003.2	565.8	256.6	140.0	93.3	87.5	84.6	84.6
40°	2403.0	2184.3	1598.1	936.1	396.6	145.8	90.4	81.7	78.7	75.8	75.8
42.5°	2560.5	2301.0	1656.5	816.6	233.3	96.2	81.7	75.8	72.9	70.0	70.0
45°	2648.0	2362.2	1641.9	670.8	116.7	90.4	78.7	72.9	67.1	67.1	67.1
47.5°	2764.7	2452.6	1604.0	495.8	105.0	87.5	75.8	70.0	67.1	70.0	67.1
50°	2875.5	2540.1	1499.0	393.7	102.1	84.6	75.8	67.1	67.1	67.1	67.1
52.5°	2936.7	2621.8	1367.8	288.7	105.0	84.6	72.9	67.1	67.1	64.2	67.1
55°	2995.1	2633.4	1262.8	210.0	105.0	81.7	70.0	64.2	61.2	58.3	58.3
57.5°	3035.9	2607.2	1178.2	175.0	105.0	81.7	67.1	61.2	52.5	49.6	49.6
60°	3024.2	2543.0	1108.2	160.4	99.2	75.8	61.2	52.5	46.7	40.8	40.8
62.5°	2992.1	2505.1	979.9	140.0	90.4	70.0	55.4	43.7	37.9	35.0	35.0
65°	2963.0	2385.5	831.1	125.4	84.6	61.2	46.7	37.9	32.1	29.2	29.2
67.5°	2823.0	2228.1	618.3	107.9	75.8	55.4	40.8	35.0	29.2	26.2	23.3
70°	2615.9	1974.3	405.4	93.3	67.1	46.7	35.0	29.2	23.3	20.4	20.4
72.5°	2263.1	1630.2	210.0	75.8	55.4	40.8	32.1	26.2	20.4	17.5	17.5
75°	1837.3	1198.6	125.4	58.3	43.7	35.0	26.2	20.4	17.5	14.6	14.6
77.5°	1271.5	662.0	90.4	43.7	29.2	26.2	20.4	17.5	14.6	11.7	11.7
80°	428.7	180.8	64.2	32.1	20.4	20.4	14.6	11.7	11.7	8.7	8.7
82.5°	169.1	110.8	43.7	23.3	17.5	14.6	11.7	8.7	8.7	8.7	8.7
85°	46.7	32.1	17.5	11.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8
87.5°	2.9	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9
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)