

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: P690849

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7735 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

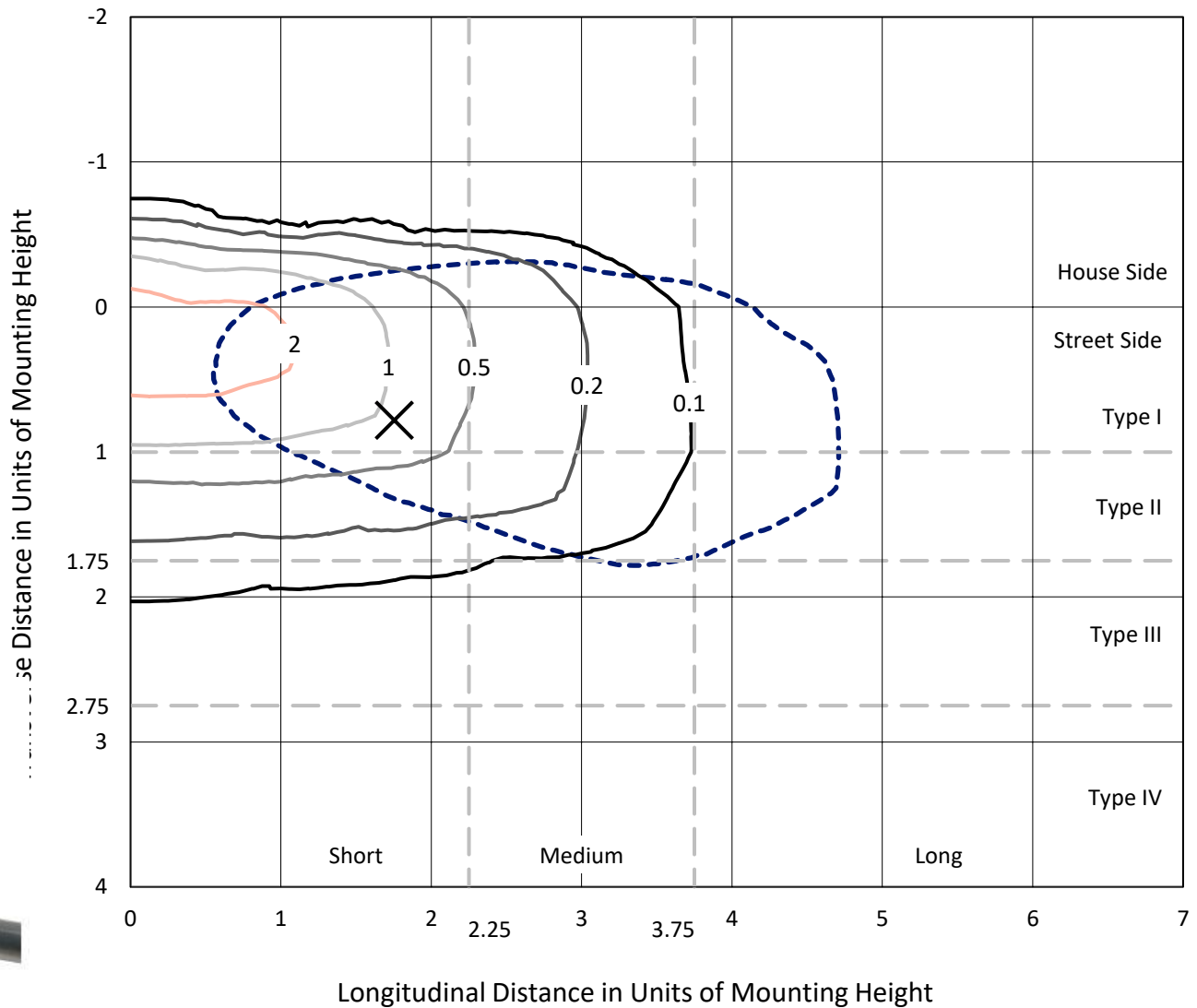
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

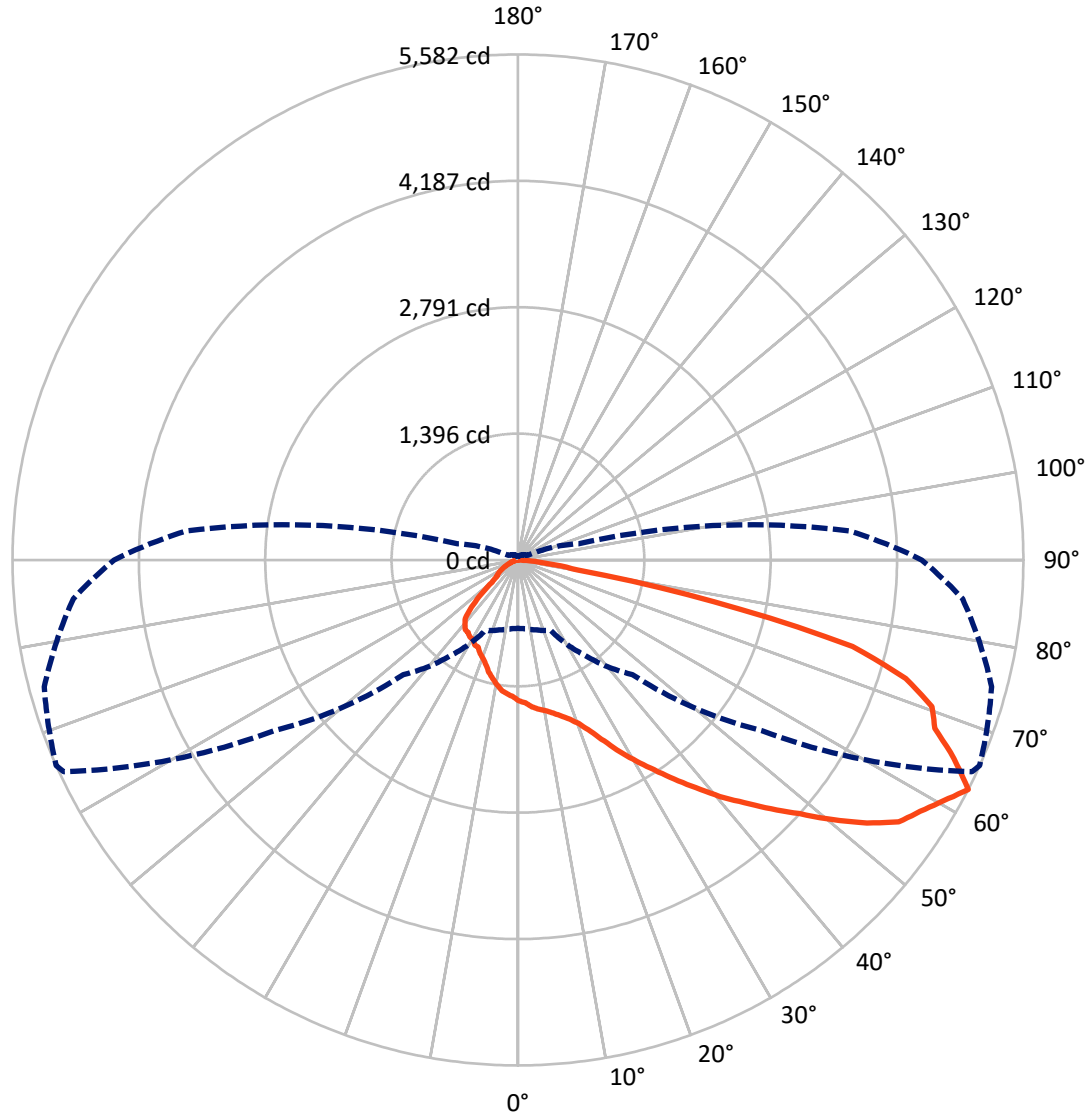
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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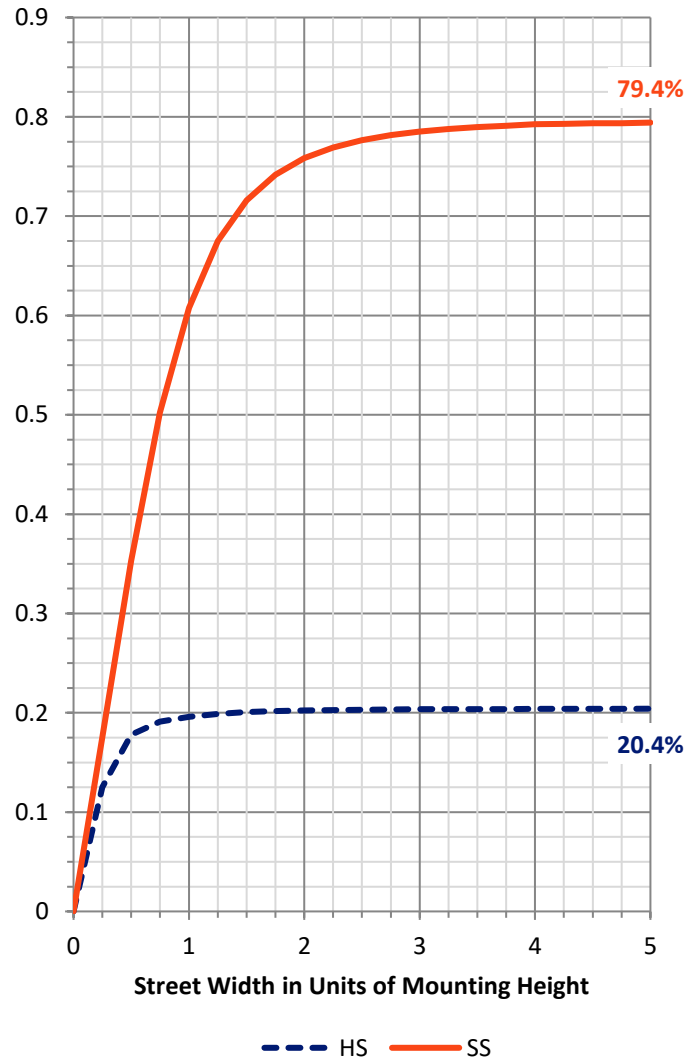
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1597.9	0.0	1597.9
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	6137.1	0.0	6137.1
	% Fixture	79.3	0.0	79.3
Total	Lumens	7735.0	0.0	7735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	1.9
10°-20°	418.7	5.4
20°-30°	686.9	8.9
30°-40°	1010.7	13.1
40°-50°	1333.0	17.2
50°-60°	1551.7	20.1
60°-70°	1542.0	19.9
70°-80°	953.9	12.3
80°-90°	91.2	1.2
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°	7735.0	100.0
0°-180°	7735.0	100.0

Coefficient of Utilization



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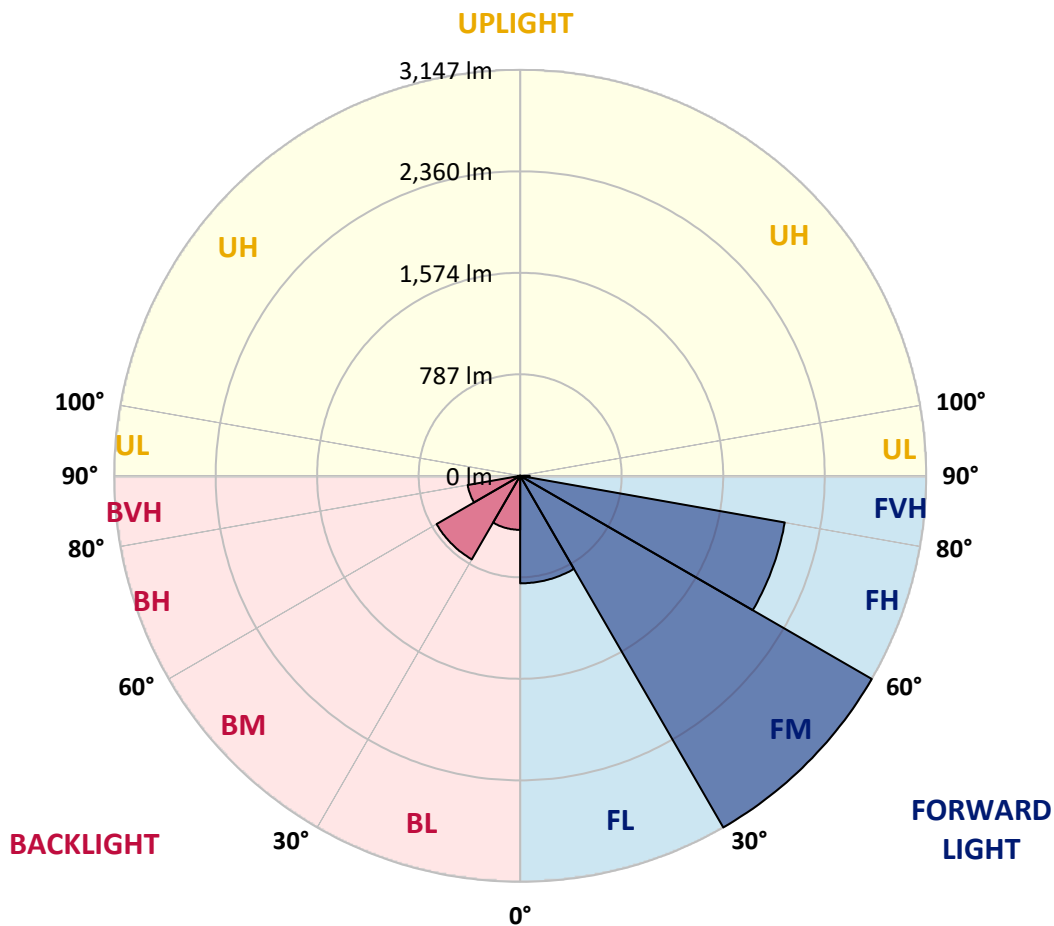
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.5	10.8			
FM (30°-60°)	3147.3	40.7			
FH (60°-80°)	2082.7	26.9			G2/5000
FVH (80°-90°)	73.7	1.0			G1/100
BL (0°-30°)	419.1	5.4	B1/500		
BM (30°-60°)	748.2	9.7	B1/1000		
BH (60°-80°)	413.1	5.3	B1/500		G1/500
BVH (80°-90°)	17.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6
2.5°	1644.0	1644.0	1641.1	1620.7	1611.9	1600.3	1591.5	1582.8	1579.9	1571.1	1556.6
5°	1740.2	1737.3	1737.3	1719.8	1702.3	1679.0	1655.7	1632.3	1629.4	1606.1	1574.0
7.5°	1795.6	1795.6	1789.7	1778.1	1766.4	1751.8	1716.9	1667.3	1664.4	1632.3	1588.6
10°	1810.1	1813.1	1824.7	1795.6	1786.8	1772.3	1754.8	1702.3	1693.6	1646.9	1577.0
12.5°	1862.6	1862.6	1859.7	1833.5	1824.7	1813.1	1783.9	1743.1	1734.4	1676.1	1579.9
15°	1926.7	1929.7	1920.9	1897.6	1885.9	1871.4	1833.5	1789.7	1786.8	1711.0	1603.2
17.5°	1958.8	1958.8	1964.6	1932.6	1935.5	1929.7	1912.2	1851.0	1848.0	1778.1	1644.0
20°	1970.5	1973.4	1976.3	1976.3	1979.2	1973.4	1990.9	1938.4	1929.7	1851.0	1699.4
22.5°	2022.9	2028.8	2043.3	2034.6	2049.2	2057.9	2063.7	2066.7	2055.0	1973.4	1792.7
25°	2046.3	2060.8	2081.2	2113.3	2136.6	2154.1	2197.8	2218.2	2215.3	2145.4	1947.1
27.5°	2011.3	2028.8	2098.7	2154.1	2235.7	2282.4	2364.0	2390.2	2399.0	2334.8	2113.3
30°	2057.9	2063.7	2095.8	2165.8	2267.8	2407.7	2518.5	2576.8	2576.8	2527.2	2276.5
32.5°	1985.0	2002.5	2095.8	2224.1	2381.5	2533.0	2638.0	2763.3	2763.3	2740.0	2509.7
35°	1976.3	1985.0	2040.4	2183.3	2384.4	2661.3	2801.2	2949.9	2970.3	2973.2	2740.0
37.5°	1894.7	1912.2	2011.3	2194.9	2471.8	2740.0	2935.3	3165.6	3188.9	3221.0	2932.4
40°	1804.3	1810.1	1897.6	2090.0	2451.4	2842.0	3063.6	3407.5	3433.7	3477.5	3188.9
42.5°	1670.2	1693.6	1839.3	2049.2	2442.7	2874.1	3206.4	3634.9	3664.0	3725.2	3401.7
45°	1550.7	1559.5	1667.3	1900.5	2346.5	2920.7	3317.1	3903.0	3920.5	3958.4	3579.5
47.5°	1454.5	1460.4	1568.2	1769.3	2256.1	2909.1	3425.0	4145.0	4185.8	4244.1	3789.4
50°	1166.0	1198.0	1466.2	1661.5	2098.7	2888.7	3509.5	4448.1	4509.3	4532.7	4031.3
52.5°	994.0	999.8	1139.7	1553.6	1935.5	2801.2	3591.1	4757.1	4827.1	4762.9	4322.8
55°	921.1	926.9	991.1	1337.9	1798.5	2632.1	3652.4	5054.4	5104.0	4946.6	4541.4
57.5°	874.5	886.1	915.3	1087.3	1635.3	2349.4	3664.0	5217.7	5238.1	5092.3	4652.2
60°	810.3	810.3	868.6	950.3	1457.4	2046.3	3567.8	5299.3	5398.4	5258.5	4856.2
62.5°	755.0	760.8	798.7	859.9	1282.6	1789.7	3285.1	5532.5	5582.0	5415.9	4929.1
65°	690.8	696.7	731.6	792.9	1166.0	1646.9	3133.5	5439.2	5293.4	5375.1	5019.4
67.5°	618.0	620.9	655.9	711.2	979.4	1518.7	2769.1	5083.6	4964.1	5182.7	4768.8
70°	545.1	545.1	574.2	618.0	798.7	1332.1	2288.2	4760.0	4850.4	4862.0	4521.0
72.5°	454.7	457.6	486.8	524.7	641.3	1113.5	1810.1	4436.5	4477.3	4322.8	3975.9
75°	326.5	338.1	370.2	408.1	507.2	883.2	1285.5	3605.7	3818.5	4092.5	3416.3
77.5°	49.6	49.6	61.2	93.3	166.1	443.1	594.6	1990.9	2209.5	3425.0	2984.8
80°	40.8	40.8	43.7	61.2	96.2	247.8	192.4	623.8	670.4	1574.0	1681.9
82.5°	20.4	20.4	32.1	43.7	58.3	72.9	81.6	300.2	346.9	536.3	670.4
85°	11.7	11.7	14.6	20.4	23.3	23.3	26.2	142.8	148.7	291.5	303.1
87.5°	2.9	2.9	5.8	5.8	5.8	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°	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6	1556.6
2.5°	1550.7	1542.0	1524.5	1509.9	1501.2	1483.7	1469.1	1457.4	1451.6	1466.2	1469.1
5°	1553.6	1533.2	1501.2	1480.8	1457.4	1428.3	1393.3	1372.9	1364.2	1367.1	1375.8
7.5°	1559.5	1530.3	1492.4	1448.7	1387.5	1329.2	1288.4	1265.1	1253.4	1268.0	1268.0
10°	1542.0	1509.9	1457.4	1390.4	1311.7	1253.4	1206.8	1166.0	1151.4	1157.2	1160.1
12.5°	1542.0	1498.3	1410.8	1329.2	1256.3	1160.1	1090.2	1052.3	1037.7	1040.6	1046.4
15°	1550.7	1492.4	1370.0	1270.9	1163.0	1061.0	999.8	953.2	938.6	924.0	929.9
17.5°	1579.9	1483.7	1349.6	1192.2	1072.7	976.5	892.0	839.5	827.8	827.8	830.7
20°	1609.0	1495.3	1314.6	1133.9	991.1	871.6	784.1	746.2	720.0	708.3	720.0
22.5°	1670.2	1536.1	1291.3	1096.0	906.5	792.9	711.2	626.7	580.1	559.7	565.5
25°	1781.0	1609.0	1308.8	1029.0	859.9	720.0	606.3	504.3	440.1	419.7	425.6
27.5°	1953.0	1728.5	1329.2	1023.1	775.4	647.1	492.6	381.9	332.3	311.9	317.7
30°	2122.0	1891.8	1396.2	964.8	743.3	530.5	373.1	294.4	244.9	224.4	230.3
32.5°	2267.8	2049.2	1480.8	950.3	658.8	399.3	279.8	218.6	180.7	163.2	166.1
35°	2483.5	2183.3	1553.6	906.5	559.7	300.2	204.0	157.4	137.0	131.2	131.2
37.5°	2675.9	2340.7	1623.6	892.0	419.7	224.4	145.7	128.3	125.3	116.6	116.6
40°	2877.0	2506.8	1655.7	839.5	306.1	157.4	119.5	119.5	116.6	107.9	107.9
42.5°	3113.1	2675.9	1684.8	778.3	218.6	119.5	110.8	113.7	110.8	102.0	99.1
45°	3282.2	2780.8	1693.6	623.8	151.6	113.7	104.9	107.9	104.9	99.1	96.2
47.5°	3436.7	2932.4	1655.7	437.2	122.4	107.9	102.0	102.0	102.0	93.3	90.4
50°	3597.0	3057.7	1623.6	236.1	119.5	104.9	96.2	93.3	96.2	90.4	87.4
52.5°	3809.8	3153.9	1539.1	160.3	116.6	102.0	93.3	87.4	90.4	84.5	87.4
55°	4092.5	3407.5	1384.6	151.6	116.6	99.1	90.4	81.6	81.6	78.7	78.7
57.5°	4220.8	3503.7	1136.8	145.7	113.7	99.1	84.5	75.8	70.0	67.0	64.1
60°	4378.2	3643.6	877.4	134.1	104.9	93.3	75.8	67.0	58.3	55.4	55.4
62.5°	4459.8	3675.7	693.7	119.5	96.2	81.6	67.0	55.4	46.6	40.8	40.8
65°	4506.4	3658.2	483.9	107.9	84.5	72.9	58.3	46.6	35.0	32.1	29.1
67.5°	4349.0	3553.3	282.7	93.3	72.9	64.1	49.6	37.9	29.1	26.2	23.3
70°	4034.2	3232.6	177.8	81.6	64.1	55.4	43.7	32.1	23.3	20.4	20.4
72.5°	3696.1	2605.9	122.4	64.1	49.6	43.7	32.1	26.2	20.4	14.6	14.6
75°	3325.9	2262.0	90.4	46.6	35.0	32.1	26.2	20.4	17.5	11.7	11.7
77.5°	2358.1	1498.3	72.9	35.0	23.3	20.4	17.5	14.6	11.7	11.7	8.7
80°	1393.3	731.6	55.4	23.3	17.5	14.6	11.7	11.7	8.7	8.7	8.7
82.5°	521.8	279.8	37.9	17.5	11.7	11.7	8.7	8.7	5.8	5.8	5.8
85°	189.5	70.0	17.5	8.7	8.7	5.8	5.8	5.8	5.8	5.8	5.8
87.5°	2.9	2.9	2.9	2.9	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

(END OF REPORT)