

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: P691577

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691577
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-C018-5TLD-U-T2-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 7000 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 53.7
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

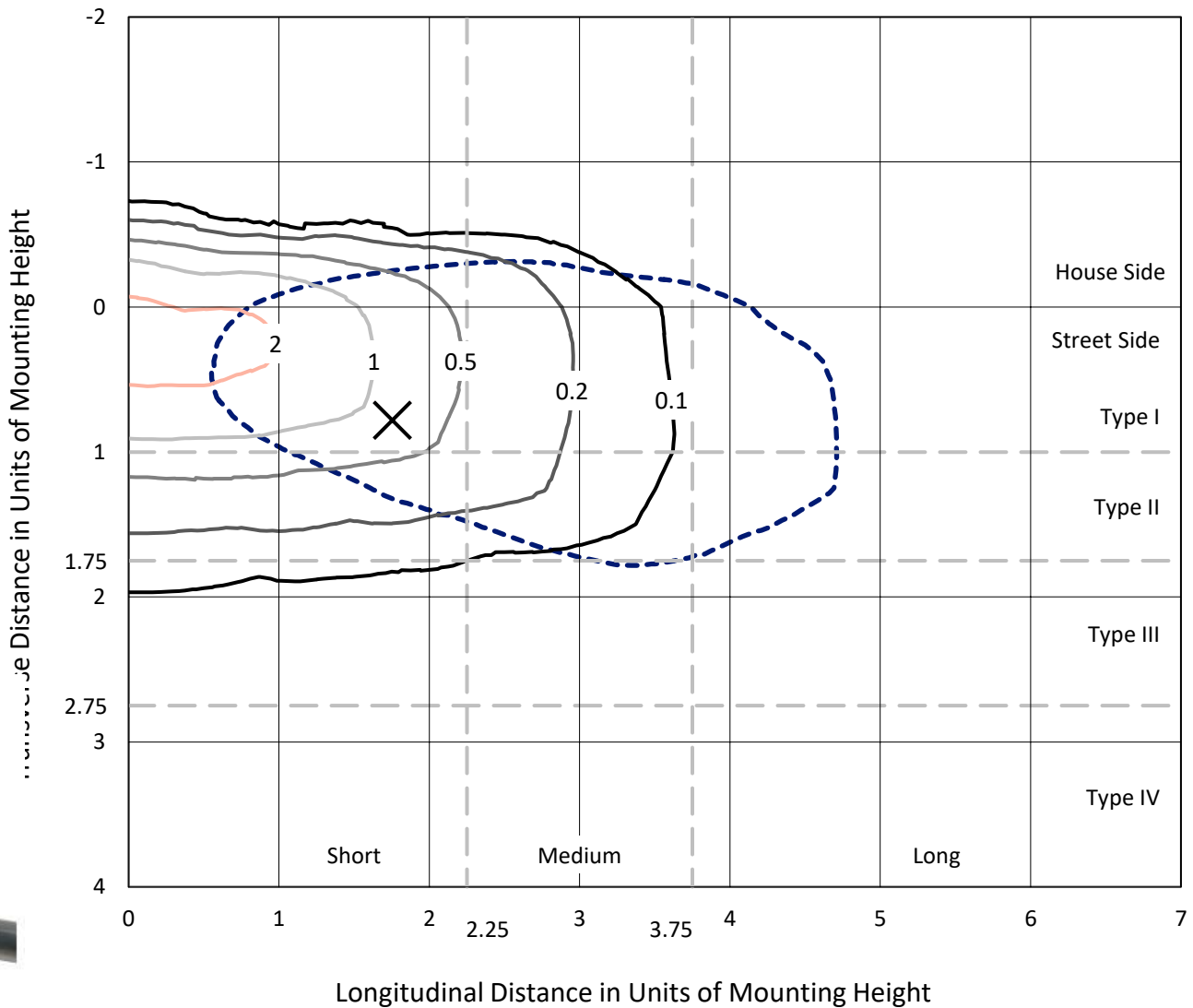


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

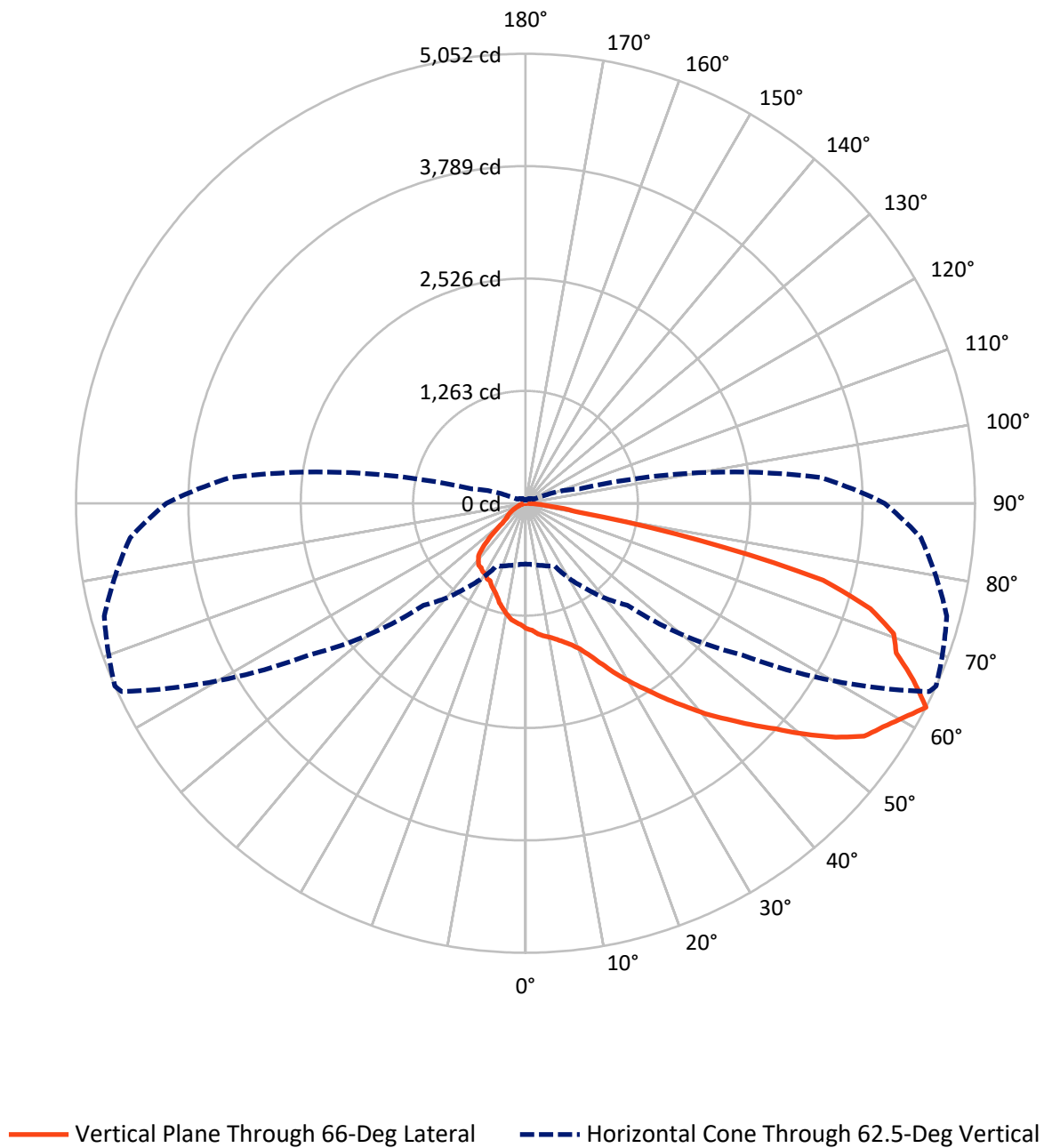


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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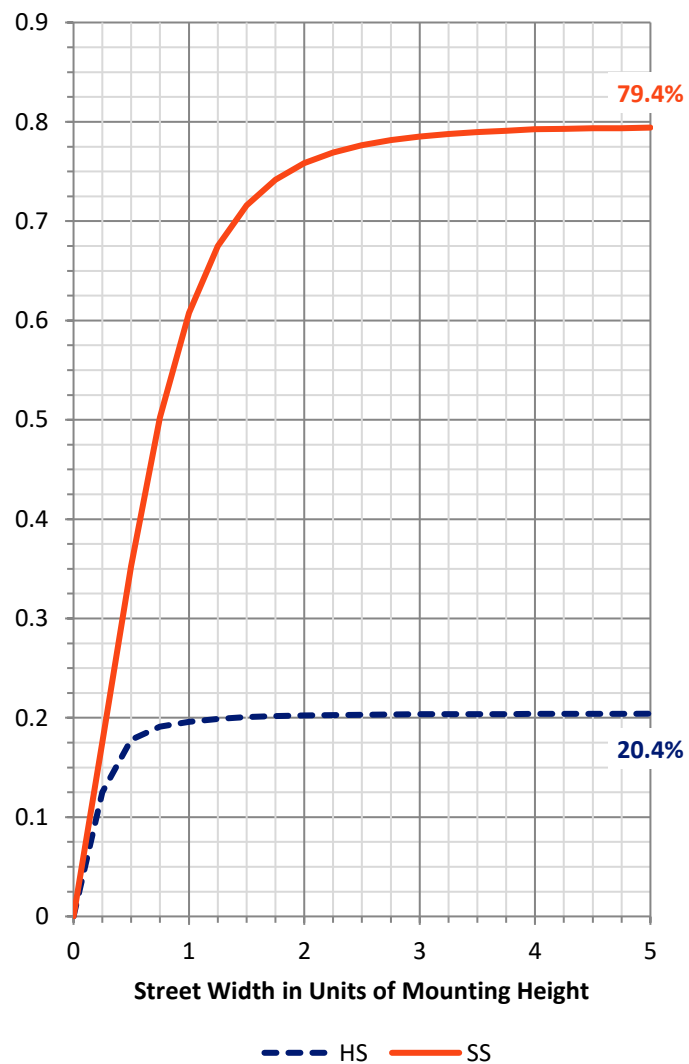
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1446.0	0.0	1446.0
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	5554.0	0.0	5554.0
	% Fixture	79.3	0.0	79.3
Total	Lumens	7000.0	0.0	7000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	1.9
10°-20°	378.9	5.4
20°-30°	621.6	8.9
30°-40°	914.7	13.1
40°-50°	1206.3	17.2
50°-60°	1404.3	20.1
60°-70°	1395.4	19.9
70°-80°	863.2	12.3
80°-90°	82.5	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°	7000.0	100.0
0°-180°	7000.0	100.0

Coefficient of Utilization



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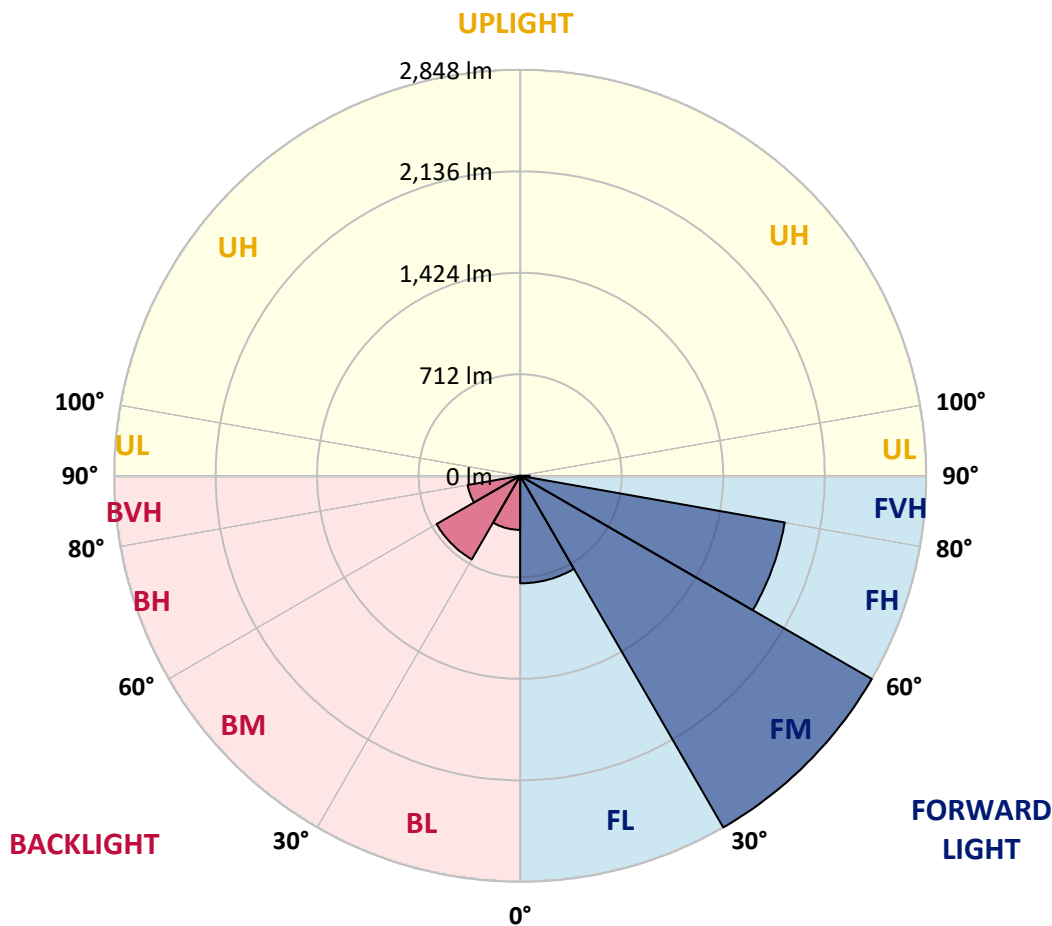
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7040-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	754.3	10.8			
FM	(30°-60°)	2848.2	40.7			
FH	(60°-80°)	1884.8	26.9			G2/5000
FVH	(80°-90°)	66.7	1.0			G1/100
BL	(0°-30°)	379.2	5.4	B1/500		
BM	(30°-60°)	677.1	9.7	B1/1000		
BH	(60°-80°)	373.8	5.3	B1/500		G1/500
BVH	(80°-90°)	15.9	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°	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6
2.5°	1487.8	1487.8	1485.1	1466.7	1458.8	1448.2	1440.3	1432.4	1429.7	1421.8	1408.6
5°	1574.8	1572.2	1572.2	1556.4	1540.5	1519.4	1498.3	1477.2	1474.6	1453.5	1424.5
7.5°	1625.0	1625.0	1619.7	1609.1	1598.6	1585.4	1553.7	1508.9	1506.2	1477.2	1437.7
10°	1638.1	1640.8	1651.3	1625.0	1617.0	1603.8	1588.0	1540.5	1532.6	1490.4	1427.1
12.5°	1685.6	1685.6	1683.0	1659.2	1651.3	1640.8	1614.4	1577.5	1569.6	1516.8	1429.7
15°	1743.7	1746.3	1738.4	1717.3	1706.7	1693.5	1659.2	1619.7	1617.0	1548.5	1450.9
17.5°	1772.7	1772.7	1778.0	1748.9	1751.6	1746.3	1730.5	1675.1	1672.4	1609.1	1487.8
20°	1783.2	1785.9	1788.5	1788.5	1791.1	1785.9	1801.7	1754.2	1746.3	1675.1	1537.9
22.5°	1830.7	1836.0	1849.2	1841.3	1854.5	1862.4	1867.6	1870.3	1859.7	1785.9	1622.3
25°	1851.8	1865.0	1883.5	1912.5	1933.6	1949.4	1989.0	2007.4	2004.8	1941.5	1762.1
27.5°	1820.2	1836.0	1899.3	1949.4	2023.3	2065.5	2139.3	2163.1	2171.0	2113.0	1912.5
30°	1862.4	1867.6	1896.7	1960.0	2052.3	2178.9	2279.2	2331.9	2331.9	2287.1	2060.2
32.5°	1796.4	1812.2	1896.7	2012.7	2155.2	2292.3	2387.3	2500.7	2500.7	2479.6	2271.2
35°	1788.5	1796.4	1846.5	1975.8	2157.8	2408.4	2535.0	2669.6	2688.0	2690.7	2479.6
37.5°	1714.6	1730.5	1820.2	1986.3	2236.9	2479.6	2656.4	2864.8	2885.9	2914.9	2653.7
40°	1632.9	1638.1	1717.3	1891.4	2218.5	2572.0	2772.4	3083.7	3107.5	3147.0	2885.9
42.5°	1511.5	1532.6	1664.5	1854.5	2210.6	2601.0	2901.7	3289.5	3315.9	3371.2	3078.4
45°	1403.4	1411.3	1508.9	1719.9	2123.5	2643.2	3001.9	3532.2	3548.0	3582.3	3239.4
47.5°	1316.3	1321.6	1419.2	1601.2	2041.7	2632.6	3099.5	3751.1	3788.0	3840.8	3429.3
50°	1055.2	1084.2	1326.9	1503.6	1899.3	2614.2	3176.0	4025.5	4080.8	4102.0	3648.2
52.5°	899.5	904.8	1031.4	1406.0	1751.6	2535.0	3249.9	4305.1	4368.4	4310.3	3912.0
55°	833.6	838.9	896.9	1210.8	1627.6	2382.0	3305.3	4574.1	4619.0	4476.5	4109.9
57.5°	791.4	801.9	828.3	983.9	1479.9	2126.2	3315.9	4721.9	4740.3	4608.4	4210.1
60°	733.3	733.3	786.1	860.0	1319.0	1851.8	3228.8	4795.7	4885.4	4758.8	4394.8
62.5°	683.2	688.5	722.8	778.2	1160.7	1619.7	2972.9	5006.8	5051.6	4901.2	4460.7
65°	625.2	630.5	662.1	717.5	1055.2	1490.4	2835.8	4922.3	4790.4	4864.3	4542.5
67.5°	559.2	561.9	593.5	643.7	886.3	1374.4	2506.0	4600.5	4492.4	4690.2	4315.6
70°	493.3	493.3	519.7	559.2	722.8	1205.5	2070.8	4307.7	4389.5	4400.0	4091.4
72.5°	411.5	414.2	440.5	474.8	580.3	1007.7	1638.1	4014.9	4051.8	3912.0	3598.1
75°	295.4	306.0	335.0	369.3	459.0	799.3	1163.3	3263.1	3455.7	3703.6	3091.6
77.5°	44.8	44.8	55.4	84.4	150.4	401.0	538.1	1801.7	1999.5	3099.5	2701.2
80°	36.9	36.9	39.6	55.4	87.1	224.2	174.1	564.5	606.7	1424.5	1522.1
82.5°	18.5	18.5	29.0	39.6	52.8	65.9	73.9	271.7	313.9	485.4	606.7
85°	10.6	10.6	13.2	18.5	21.1	21.1	23.7	129.3	134.5	263.8	274.3
87.5°	2.6	2.6	5.3	5.3	5.3	2.6	2.6	2.6	2.6	2.6	2.6
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°	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6
2.5°	1403.4	1395.5	1379.6	1366.4	1358.5	1342.7	1329.5	1319.0	1313.7	1326.9	1329.5
5°	1406.0	1387.5	1358.5	1340.1	1319.0	1292.6	1260.9	1242.5	1234.5	1237.2	1245.1
7.5°	1411.3	1384.9	1350.6	1311.0	1255.6	1202.9	1166.0	1144.9	1134.3	1147.5	1147.5
10°	1395.5	1366.4	1319.0	1258.3	1187.1	1134.3	1092.1	1055.2	1042.0	1047.3	1049.9
12.5°	1395.5	1355.9	1276.7	1202.9	1136.9	1049.9	986.6	952.3	939.1	941.7	947.0
15°	1403.4	1350.6	1239.8	1150.1	1052.5	960.2	904.8	862.6	849.4	836.2	841.5
17.5°	1429.7	1342.7	1221.4	1078.9	970.8	883.7	807.2	759.7	749.2	749.2	751.8
20°	1456.1	1353.2	1189.7	1026.1	896.9	788.7	709.6	675.3	651.6	641.0	651.6
22.5°	1511.5	1390.2	1168.6	991.9	820.4	717.5	643.7	567.2	524.9	506.5	511.8
25°	1611.8	1456.1	1184.4	931.2	778.2	651.6	548.7	456.4	398.3	379.9	385.1
27.5°	1767.4	1564.3	1202.9	925.9	701.7	585.6	445.8	345.6	300.7	282.3	287.5
30°	1920.4	1712.0	1263.6	873.1	672.7	480.1	337.7	266.4	221.6	203.1	208.4
32.5°	2052.3	1854.5	1340.1	860.0	596.2	361.4	253.2	197.8	163.6	147.7	150.4
35°	2247.5	1975.8	1406.0	820.4	506.5	271.7	184.7	142.4	124.0	118.7	118.7
37.5°	2421.6	2118.2	1469.3	807.2	379.9	203.1	131.9	116.1	113.4	105.5	105.5
40°	2603.6	2268.6	1498.3	759.7	277.0	142.4	108.2	108.2	105.5	97.6	97.6
42.5°	2817.3	2421.6	1524.7	704.3	197.8	108.2	100.2	102.9	100.2	92.3	89.7
45°	2970.3	2516.6	1532.6	564.5	137.2	102.9	95.0	97.6	95.0	89.7	87.1
47.5°	3110.1	2653.7	1498.3	395.7	110.8	97.6	92.3	92.3	92.3	84.4	81.8
50°	3255.2	2767.2	1469.3	213.7	108.2	95.0	87.1	84.4	87.1	81.8	79.1
52.5°	3447.7	2854.2	1392.8	145.1	105.5	92.3	84.4	79.1	81.8	76.5	79.1
55°	3703.6	3083.7	1253.0	137.2	105.5	89.7	81.8	73.9	73.9	71.2	71.2
57.5°	3819.7	3170.8	1028.8	131.9	102.9	89.7	76.5	68.6	63.3	60.7	58.0
60°	3962.1	3297.4	794.0	121.3	95.0	84.4	68.6	60.7	52.8	50.1	50.1
62.5°	4036.0	3326.4	627.8	108.2	87.1	73.9	60.7	50.1	42.2	36.9	36.9
65°	4078.2	3310.6	437.9	97.6	76.5	65.9	52.8	42.2	31.7	29.0	26.4
67.5°	3935.8	3215.6	255.9	84.4	65.9	58.0	44.8	34.3	26.4	23.7	21.1
70°	3650.9	2925.4	160.9	73.9	58.0	50.1	39.6	29.0	21.1	18.5	18.5
72.5°	3344.9	2358.3	110.8	58.0	44.8	39.6	29.0	23.7	18.5	13.2	13.2
75°	3009.9	2047.0	81.8	42.2	31.7	29.0	23.7	18.5	15.8	10.6	10.6
77.5°	2134.1	1355.9	65.9	31.7	21.1	18.5	15.8	13.2	10.6	10.6	7.9
80°	1260.9	662.1	50.1	21.1	15.8	13.2	10.6	10.6	7.9	7.9	7.9
82.5°	472.2	253.2	34.3	15.8	10.6	10.6	7.9	7.9	5.3	5.3	5.3
85°	171.5	63.3	15.8	7.9	7.9	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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)