

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: P691861

Luminaire Tested: **CRTK2-C01H-D-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691861
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-C01H-D-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: 8673 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

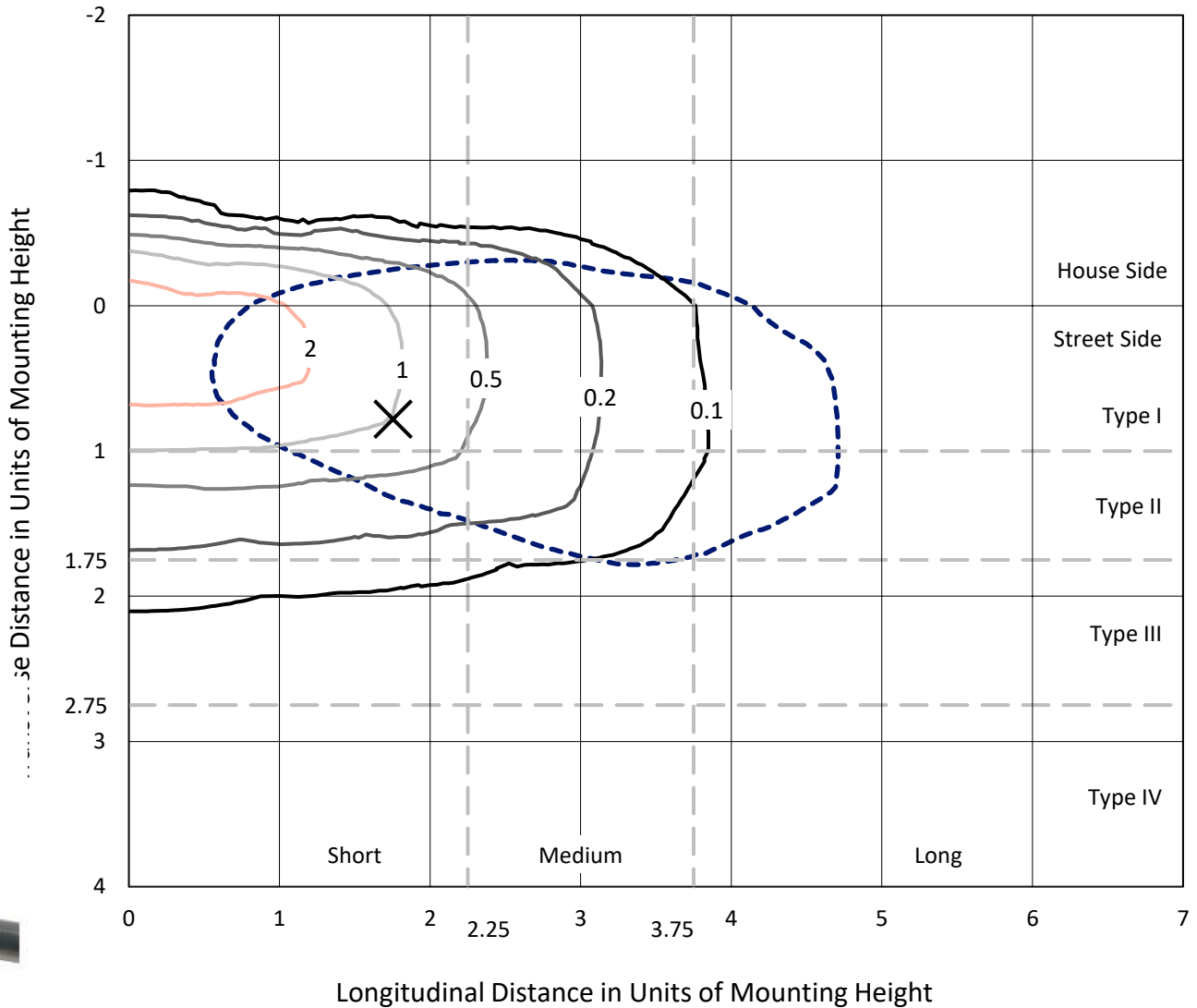
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

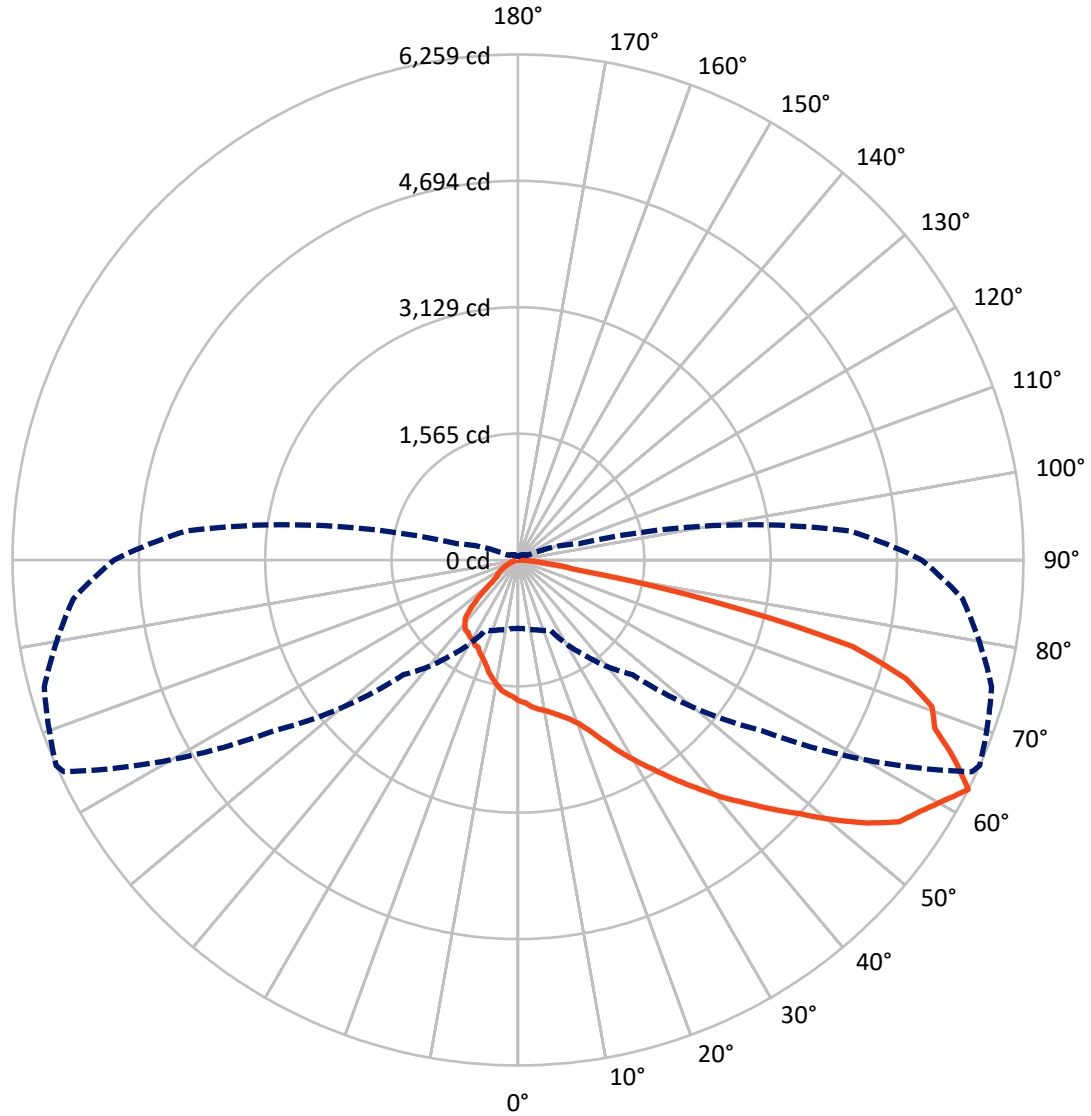
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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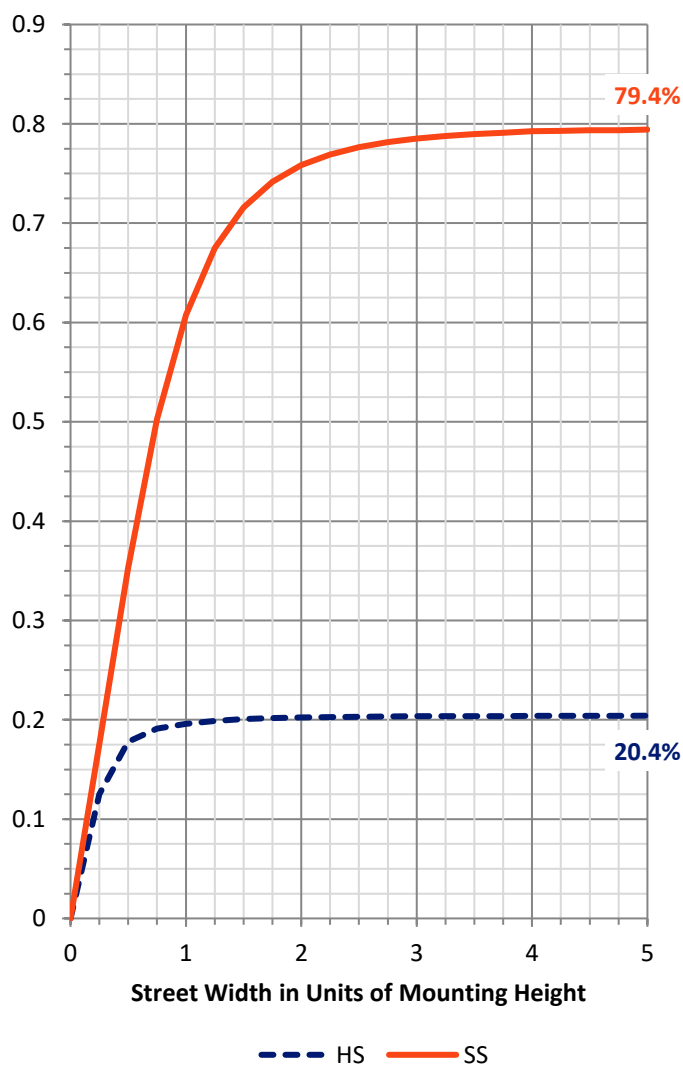
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1791.6	0.0	1791.6
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	6881.4	0.0	6881.4
	% Fixture	79.3	0.0	79.3
Total	Lumens	8673.0	0.0	8673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.8	1.9
10°-20°	469.4	5.4
20°-30°	770.2	8.9
30°-40°	1133.3	13.1
40°-50°	1494.7	17.2
50°-60°	1739.9	20.1
60°-70°	1728.9	19.9
70°-80°	1069.5	12.3
80°-90°	102.3	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°	8673.0	100.0
0°-180°	8673.0	100.0

Coefficient of Utilization



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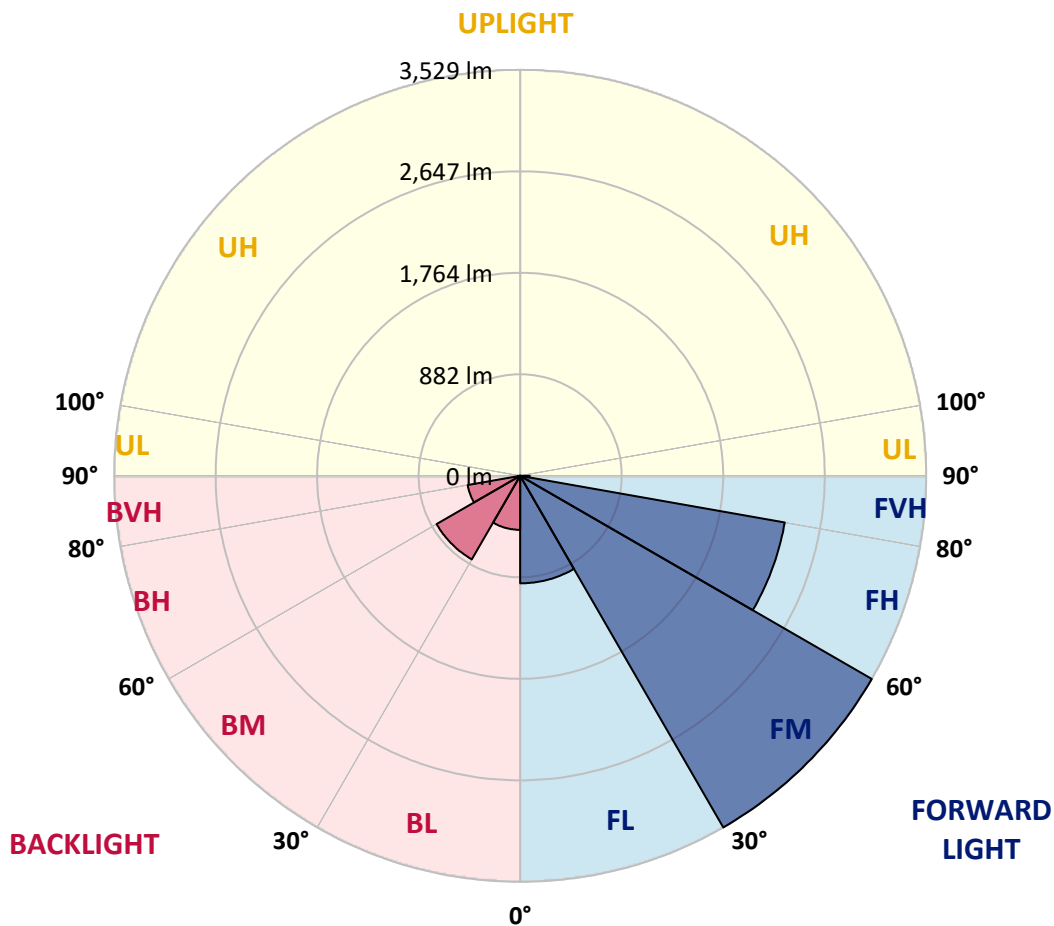
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	934.5	10.8			
FM (30°-60°)	3529.0	40.7			
FH (60°-80°)	2335.3	26.9			G2/5000
FVH (80°-90°)	82.6	1.0			G1/100
BL (0°-30°)	469.9	5.4	B1/500		
BM (30°-60°)	838.9	9.7	B1/1000		
BH (60°-80°)	463.2	5.3	B1/500		G1/500
BVH (80°-90°)	19.7	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°	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3
2.5°	1843.4	1843.4	1840.1	1817.2	1807.4	1794.3	1784.5	1774.7	1771.5	1761.7	1745.3
5°	1951.2	1947.9	1947.9	1928.3	1908.7	1882.6	1856.4	1830.3	1827.0	1800.9	1764.9
7.5°	2013.3	2013.3	2006.8	1993.7	1980.6	1964.3	1925.1	1869.5	1866.2	1830.3	1781.3
10°	2029.7	2032.9	2046.0	2013.3	2003.5	1987.2	1967.6	1908.7	1898.9	1846.6	1768.2
12.5°	2088.5	2088.5	2085.2	2055.8	2046.0	2032.9	2000.2	1954.5	1944.7	1879.3	1771.5
15°	2160.4	2163.7	2153.9	2127.7	2114.6	2098.3	2055.8	2006.8	2003.5	1918.5	1797.6
17.5°	2196.3	2196.3	2202.9	2166.9	2170.2	2163.7	2144.1	2075.4	2072.1	1993.7	1843.4
20°	2209.4	2212.7	2216.0	2216.0	2219.2	2212.7	2232.3	2173.5	2163.7	2075.4	1905.5
22.5°	2268.2	2274.8	2291.1	2281.3	2297.7	2307.5	2314.0	2317.3	2304.2	2212.7	2010.0
25°	2294.4	2310.7	2333.6	2369.6	2395.7	2415.3	2464.4	2487.2	2484.0	2405.5	2183.3
27.5°	2255.2	2274.8	2353.2	2415.3	2506.8	2559.1	2650.6	2680.1	2689.9	2618.0	2369.6
30°	2307.5	2314.0	2350.0	2428.4	2542.8	2699.7	2823.9	2889.2	2889.2	2833.7	2552.6
32.5°	2225.8	2245.4	2350.0	2493.8	2670.3	2840.2	2957.9	3098.4	3098.4	3072.3	2814.1
35°	2216.0	2225.8	2287.9	2448.0	2673.5	2984.0	3140.9	3307.6	3330.5	3333.7	3072.3
37.5°	2124.4	2144.1	2255.2	2461.1	2771.6	3072.3	3291.2	3549.5	3575.6	3611.5	3288.0
40°	2023.1	2029.7	2127.7	2343.4	2748.7	3186.7	3435.1	3820.7	3850.1	3899.2	3575.6
42.5°	1872.8	1898.9	2062.3	2297.7	2738.9	3222.6	3595.2	4075.7	4108.3	4177.0	3814.2
45°	1738.8	1748.6	1869.5	2131.0	2631.0	3274.9	3719.4	4376.3	4396.0	4438.4	4013.6
47.5°	1630.9	1637.5	1758.4	1983.9	2529.7	3261.8	3840.3	4647.6	4693.4	4758.7	4248.9
50°	1307.3	1343.3	1644.0	1863.0	2353.2	3239.0	3935.1	4987.5	5056.2	5082.3	4520.2
52.5°	1114.5	1121.1	1277.9	1742.0	2170.2	3140.9	4026.6	5334.0	5412.4	5340.5	4847.0
55°	1032.8	1039.3	1111.2	1500.2	2016.6	2951.3	4095.3	5667.4	5722.9	5546.4	5092.1
57.5°	980.5	993.6	1026.3	1219.1	1833.6	2634.3	4108.3	5850.4	5873.3	5709.8	5216.3
60°	908.6	908.6	974.0	1065.5	1634.2	2294.4	4000.5	5941.9	6053.0	5896.1	5445.1
62.5°	846.5	853.0	895.5	964.2	1438.1	2006.8	3683.5	6203.4	6258.9	6072.6	5526.8
65°	774.6	781.1	820.4	889.0	1307.3	1846.6	3513.5	6098.8	5935.4	6026.9	5628.1
67.5°	692.9	696.2	735.4	797.5	1098.2	1702.8	3105.0	5700.0	5566.0	5811.2	5347.1
70°	611.2	611.2	643.9	692.9	895.5	1493.6	2565.7	5337.2	5438.6	5451.6	5069.2
72.5°	509.9	513.1	545.8	588.3	719.0	1248.5	2029.7	4974.5	5020.2	4847.0	4458.1
75°	366.1	379.1	415.1	457.6	568.7	990.3	1441.4	4043.0	4281.6	4588.8	3830.5
77.5°	55.6	55.6	68.6	104.6	186.3	496.8	666.7	2232.3	2477.4	3840.3	3346.8
80°	45.8	45.8	49.0	68.6	107.9	277.8	215.7	699.4	751.7	1764.9	1885.8
82.5°	22.9	22.9	36.0	49.0	65.4	81.7	91.5	336.6	388.9	601.4	751.7
85°	13.1	13.1	16.3	22.9	26.1	26.1	29.4	160.2	166.7	326.8	339.9
87.5°	3.3	3.3	6.5	6.5	6.5	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°	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3
2.5°	1738.8	1729.0	1709.4	1693.0	1683.2	1663.6	1647.3	1634.2	1627.6	1644.0	1647.3
5°	1742.0	1719.2	1683.2	1660.3	1634.2	1601.5	1562.3	1539.4	1529.6	1532.9	1542.7
7.5°	1748.6	1715.9	1673.4	1624.4	1555.7	1490.4	1444.6	1418.5	1405.4	1421.7	1421.7
10°	1729.0	1693.0	1634.2	1559.0	1470.8	1405.4	1353.1	1307.3	1291.0	1297.5	1300.8
12.5°	1729.0	1679.9	1581.9	1490.4	1408.7	1300.8	1222.4	1179.9	1163.5	1166.8	1173.3
15°	1738.8	1673.4	1536.1	1425.0	1304.1	1189.7	1121.1	1068.8	1052.4	1036.1	1042.6
17.5°	1771.5	1663.6	1513.3	1336.8	1202.8	1094.9	1000.1	941.3	928.2	928.2	931.5
20°	1804.1	1676.7	1474.0	1271.4	1111.2	977.2	879.2	836.7	807.3	794.2	807.3
22.5°	1872.8	1722.4	1447.9	1228.9	1016.5	889.0	797.5	702.7	650.4	627.5	634.1
25°	1997.0	1804.1	1467.5	1153.7	964.2	807.3	679.8	565.4	493.5	470.6	477.2
27.5°	2189.8	1938.1	1490.4	1147.2	869.4	725.6	552.4	428.2	372.6	349.7	356.3
30°	2379.4	2121.2	1565.5	1081.8	833.4	594.8	418.4	330.1	274.5	251.7	258.2
32.5°	2542.8	2297.7	1660.3	1065.5	738.7	447.8	313.8	245.1	202.6	183.0	186.3
35°	2784.7	2448.0	1742.0	1016.5	627.5	336.6	228.8	176.5	153.6	147.1	147.1
37.5°	3000.4	2624.5	1820.5	1000.1	470.6	251.7	163.4	143.8	140.5	130.7	130.7
40°	3225.9	2810.8	1856.4	941.3	343.2	176.5	134.0	134.0	130.7	120.9	120.9
42.5°	3490.6	3000.4	1889.1	872.7	245.1	134.0	124.2	127.5	124.2	114.4	111.1
45°	3680.2	3118.0	1898.9	699.4	170.0	127.5	117.7	120.9	117.7	111.1	107.9
47.5°	3853.4	3288.0	1856.4	490.3	137.3	120.9	114.4	114.4	114.4	104.6	101.3
50°	4033.2	3428.5	1820.5	264.7	134.0	117.7	107.9	104.6	107.9	101.3	98.1
52.5°	4271.8	3536.4	1725.7	179.8	130.7	114.4	104.6	98.1	101.3	94.8	98.1
55°	4588.8	3820.7	1552.5	170.0	130.7	111.1	101.3	91.5	91.5	88.2	88.2
57.5°	4732.6	3928.6	1274.7	163.4	127.5	111.1	94.8	85.0	78.4	75.2	71.9
60°	4909.1	4085.5	983.8	150.3	117.7	104.6	85.0	75.2	65.4	62.1	62.1
62.5°	5000.6	4121.4	777.9	134.0	107.9	91.5	75.2	62.1	52.3	45.8	45.8
65°	5052.9	4101.8	542.5	120.9	94.8	81.7	65.4	52.3	39.2	36.0	32.7
67.5°	4876.4	3984.1	317.0	104.6	81.7	71.9	55.6	42.5	32.7	29.4	26.1
70°	4523.4	3624.6	199.4	91.5	71.9	62.1	49.0	36.0	26.1	22.9	22.9
72.5°	4144.3	2921.9	137.3	71.9	55.6	49.0	36.0	29.4	22.9	16.3	16.3
75°	3729.2	2536.3	101.3	52.3	39.2	36.0	29.4	22.9	19.6	13.1	13.1
77.5°	2644.1	1679.9	81.7	39.2	26.1	22.9	19.6	16.3	13.1	13.1	9.8
80°	1562.3	820.4	62.1	26.1	19.6	16.3	13.1	13.1	9.8	9.8	9.8
82.5°	585.0	313.8	42.5	19.6	13.1	13.1	9.8	9.8	6.5	6.5	6.5
85°	212.4	78.4	19.6	9.8	9.8	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	3.3	3.3	3.3	3.3	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

(END OF REPORT)