

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: P691710

Luminaire Tested: **CRTK2-C018-D-U-T3-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T3-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6795 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

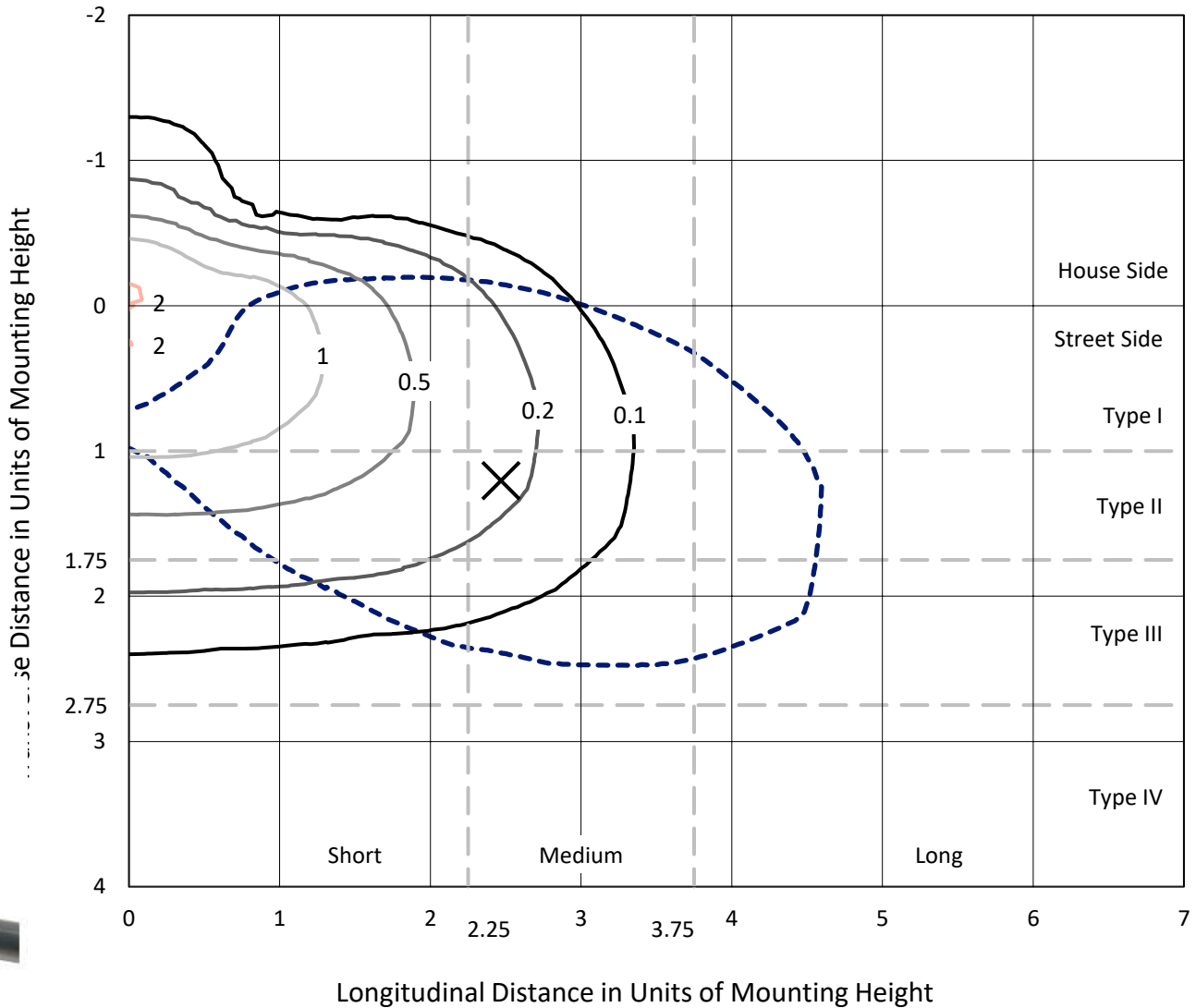
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

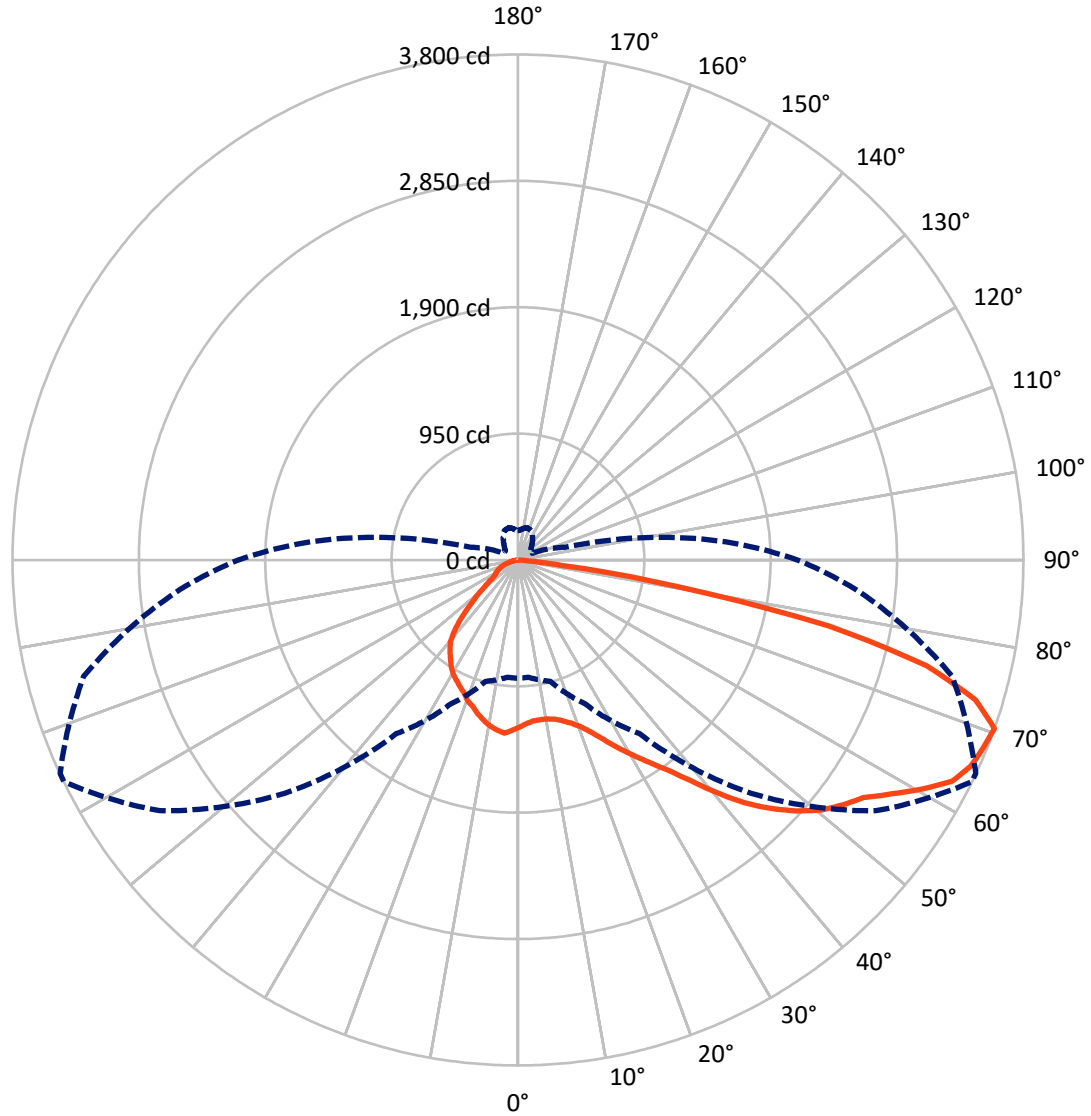
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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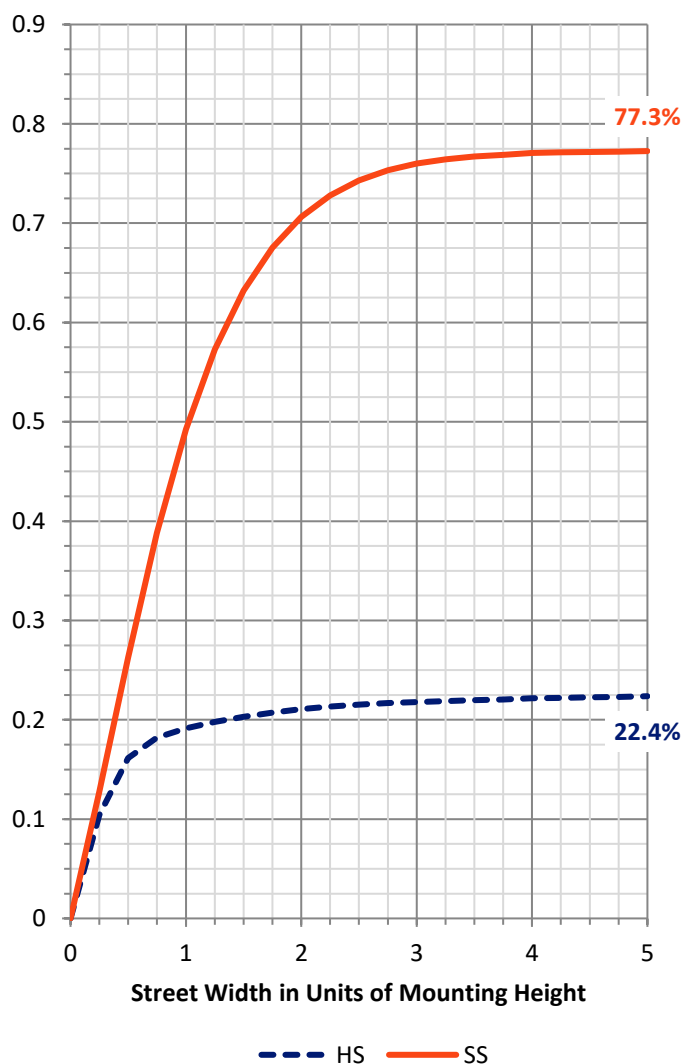
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1543.6	0.0	1543.6
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5251.4	0.0	5251.4
	% Fixture	77.3	0.0	77.3
Total	Lumens	6795.0	0.0	6795.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	1.8
10°-20°	354.4	5.2
20°-30°	588.2	8.7
30°-40°	841.4	12.4
40°-50°	1123.6	16.5
50°-60°	1357.8	20.0
60°-70°	1445.1	21.3
70°-80°	887.7	13.1
80°-90°	76.0	1.1
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°	6795.0	100.0
0°-180°	6795.0	100.0

Coefficient of Utilization

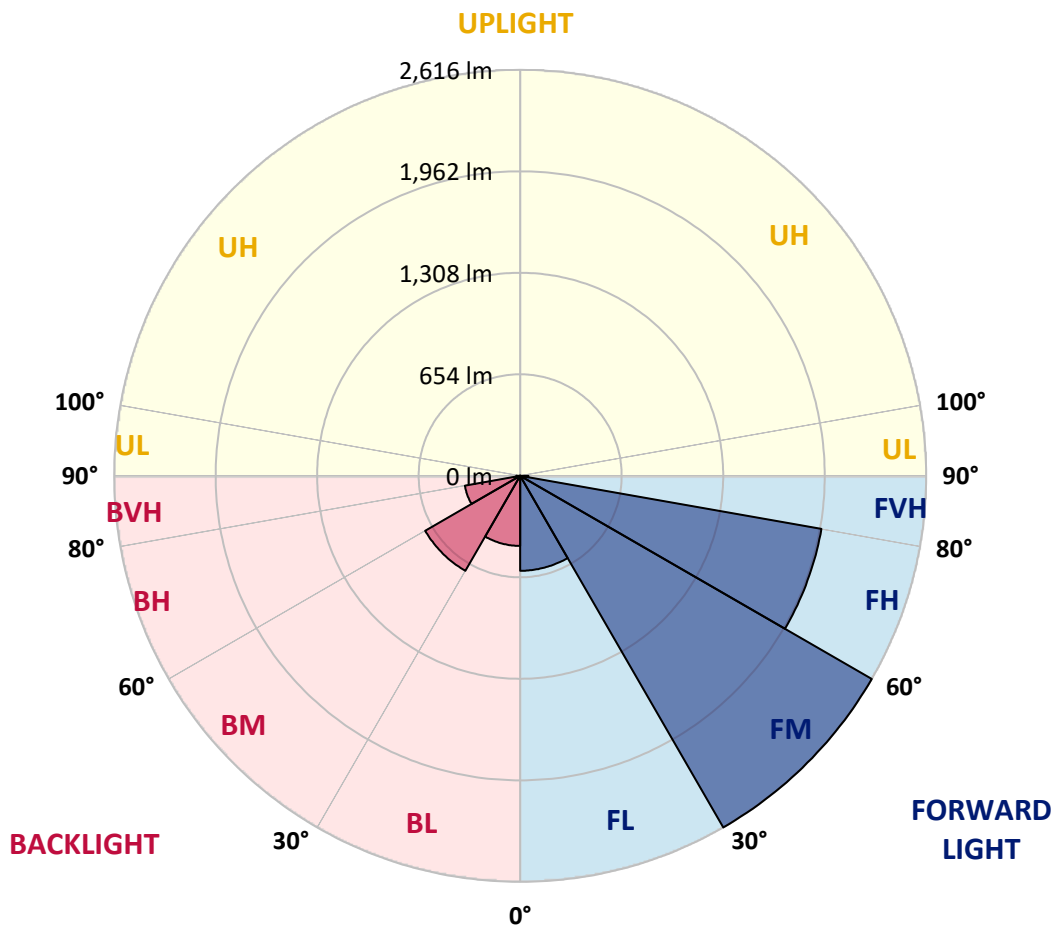


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	611.9	9.0			
FM (30°-60°)	2616.0	38.5			
FH (60°-80°)	1970.8	29.0			G2/5000
FVH (80°-90°)	52.8	0.8			G1/100
BL (0°-30°)	451.6	6.6	B1/500		
BM (30°-60°)	706.8	10.4	B1/1000		
BH (60°-80°)	362.0	5.3	B1/500		G1/500
BVH (80°-90°)	23.2	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1226.7	1226.7	1226.7	1226.7	1229.0	1231.3	1229.0	1231.3	1231.3	1236.0	1242.9
5°	1247.5	1247.5	1242.9	1233.6	1226.7	1217.5	1212.9	1215.2	1215.2	1226.7	1245.2
7.5°	1254.4	1254.4	1249.8	1249.8	1242.9	1222.1	1215.2	1212.9	1215.2	1219.8	1245.2
10°	1289.1	1286.8	1275.2	1261.4	1252.1	1233.6	1217.5	1215.2	1217.5	1224.4	1252.1
12.5°	1326.1	1326.1	1321.4	1309.9	1284.5	1266.0	1238.3	1229.0	1226.7	1233.6	1249.8
15°	1400.0	1390.7	1372.3	1356.1	1337.6	1307.6	1270.6	1254.4	1249.8	1259.1	1252.1
17.5°	1443.9	1436.9	1439.3	1413.8	1397.7	1356.1	1319.1	1289.1	1286.8	1296.0	1266.0
20°	1492.4	1490.1	1494.7	1492.4	1467.0	1430.0	1372.3	1335.3	1330.7	1333.0	1286.8
22.5°	1566.3	1566.3	1564.0	1564.0	1550.1	1506.3	1441.6	1404.6	1397.7	1381.5	1321.4
25°	1647.2	1647.2	1647.2	1651.8	1651.8	1601.0	1536.3	1494.7	1490.1	1467.0	1379.2
27.5°	1723.4	1728.0	1730.3	1732.7	1739.6	1716.5	1644.9	1596.4	1594.0	1564.0	1455.4
30°	1783.5	1785.8	1806.6	1811.2	1825.1	1818.1	1748.8	1702.6	1707.2	1668.0	1540.9
32.5°	1836.6	1838.9	1869.0	1885.1	1901.3	1903.6	1845.9	1813.5	1813.5	1778.9	1644.9
35°	1887.4	1889.7	1926.7	1966.0	1998.3	1989.1	1956.7	1938.3	1945.2	1933.6	1788.1
37.5°	1931.3	1940.6	1989.1	2046.8	2083.8	2090.7	2076.9	2102.3	2116.1	2134.6	1982.2
40°	1972.9	1977.5	2023.7	2083.8	2146.2	2178.5	2194.7	2298.7	2312.5	2326.4	2093.0
42.5°	1933.6	1942.9	2042.2	2132.3	2210.9	2266.3	2342.5	2495.0	2525.1	2448.8	2243.2
45°	1887.4	1899.0	1998.3	2150.8	2261.7	2363.3	2504.3	2666.0	2689.1	2573.6	2324.1
47.5°	1848.2	1862.0	1963.7	2134.6	2314.8	2495.0	2635.9	2818.5	2832.3	2679.8	2435.0
50°	1804.3	1815.8	1924.4	2113.8	2342.5	2615.2	2774.6	2957.1	2961.7	2767.6	2492.7
52.5°	1746.5	1758.1	1869.0	2081.5	2363.3	2696.0	2890.1	3058.7	3040.2	2880.8	2559.7
55°	1672.6	1688.8	1808.9	2037.6	2374.9	2744.5	2968.6	3153.4	3144.2	3014.8	2647.5
57.5°	1594.0	1610.2	1732.7	1977.5	2363.3	2774.6	3049.5	3317.5	3315.1	3123.4	2712.2
60°	1506.3	1520.1	1624.1	1899.0	2301.0	2823.1	3227.4	3495.3	3513.8	3245.8	2737.6
62.5°	1390.7	1393.1	1497.0	1785.8	2220.1	2857.7	3354.4	3664.0	3652.4	3326.7	2742.2
65°	1238.3	1245.2	1337.6	1628.7	2088.4	2830.0	3386.8	3740.2	3740.2	3386.8	2737.6
67.5°	1090.4	1088.1	1166.7	1432.3	1885.1	2707.6	3359.0	3772.6	3788.7	3426.0	2677.5
70°	889.4	884.8	944.9	1192.1	1594.0	2481.2	3287.4	3800.3	3798.0	3379.8	2550.5
72.5°	658.4	656.1	697.7	903.3	1219.8	2123.1	3074.9	3597.0	3573.9	3158.1	2303.3
75°	365.0	346.5	344.2	559.1	709.2	1487.8	2612.8	3171.9	3181.2	2790.7	1929.0
77.5°	53.1	55.4	57.8	101.6	122.4	556.8	1698.0	2391.1	2386.4	2153.1	1406.9
80°	37.0	39.3	41.6	50.8	57.8	131.7	586.8	1205.9	1275.2	1132.0	649.2
82.5°	27.7	27.7	30.0	34.7	32.3	60.1	182.5	335.0	346.5	314.2	191.7
85°	18.5	18.5	16.2	18.5	11.6	16.2	41.6	62.4	67.0	64.7	53.1
87.5°	9.2	9.2	6.9	6.9	4.6	4.6	4.6	2.3	4.6	2.3	4.6
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°	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1249.8	1254.4	1268.3	1279.9	1293.7	1309.9	1319.1	1328.4	1337.6	1333.0	1339.9
5°	1254.4	1263.7	1284.5	1305.3	1316.8	1319.1	1321.4	1328.4	1342.2	1342.2	1353.8
7.5°	1259.1	1275.2	1275.2	1286.8	1303.0	1307.6	1309.9	1314.5	1321.4	1323.7	1321.4
10°	1259.1	1252.1	1263.7	1266.0	1259.1	1270.6	1277.5	1275.2	1282.2	1284.5	1284.5
12.5°	1245.2	1242.9	1233.6	1233.6	1231.3	1212.9	1212.9	1231.3	1231.3	1242.9	1245.2
15°	1245.2	1226.7	1215.2	1199.0	1182.8	1175.9	1166.7	1152.8	1157.4	1173.6	1178.2
17.5°	1242.9	1222.1	1187.4	1155.1	1143.6	1115.8	1106.6	1106.6	1104.3	1113.5	1115.8
20°	1252.1	1222.1	1169.0	1132.0	1069.6	1060.4	1041.9	1044.2	1046.5	1032.7	1025.7
22.5°	1277.5	1240.6	1155.1	1083.5	1035.0	993.4	958.7	935.6	933.3	926.4	933.3
25°	1316.8	1272.9	1157.4	1055.8	977.2	917.2	894.0	838.6	813.2	815.5	829.4
27.5°	1388.4	1312.2	1169.0	1025.7	931.0	845.5	771.6	737.0	709.2	709.2	713.9
30°	1455.4	1372.3	1164.3	1000.3	859.4	753.1	658.4	603.0	593.7	584.5	582.2
32.5°	1580.2	1448.5	1210.5	963.4	792.4	635.3	540.6	464.4	471.3	473.6	478.2
35°	1704.9	1570.9	1219.8	917.2	695.4	517.5	418.1	376.6	395.0	399.7	404.3
37.5°	1871.3	1723.4	1282.2	875.6	596.0	397.4	332.7	314.2	332.7	332.7	335.0
40°	1961.4	1795.0	1333.0	834.0	466.7	293.4	261.1	247.2	270.3	288.8	293.4
42.5°	2088.4	1887.4	1379.2	750.8	330.4	219.5	201.0	228.7	265.7	284.2	286.5
45°	2153.1	1933.6	1363.0	639.9	217.2	177.9	196.4	231.0	268.0	286.5	288.8
47.5°	2240.9	1998.3	1330.7	510.6	173.3	175.6	198.7	238.0	274.9	291.1	293.4
50°	2326.4	2065.3	1247.5	406.6	166.3	175.6	203.3	240.3	272.6	284.2	281.8
52.5°	2374.9	2127.7	1141.2	309.6	166.3	177.9	207.9	244.9	270.3	272.6	272.6
55°	2418.8	2134.6	1053.5	240.3	164.0	180.2	212.5	249.5	272.6	272.6	268.0
57.5°	2446.5	2106.9	986.5	207.9	164.0	180.2	212.5	249.5	284.2	291.1	284.2
60°	2435.0	2053.8	940.3	194.1	159.4	177.9	210.2	256.4	348.8	365.0	351.2
62.5°	2407.2	2023.7	840.9	177.9	152.5	171.0	205.6	277.2	374.3	376.6	365.0
65°	2381.8	1924.4	720.8	159.4	143.2	164.0	198.7	281.8	316.5	304.9	302.6
67.5°	2266.3	1795.0	549.8	140.9	129.4	154.8	191.7	258.7	281.8	268.0	263.4
70°	2102.3	1568.6	367.3	120.1	115.5	143.2	191.7	242.6	251.8	228.7	219.5
72.5°	1802.0	1298.3	201.0	97.0	97.0	131.7	173.3	226.4	233.3	205.6	189.4
75°	1467.0	940.3	129.4	73.9	73.9	110.9	157.1	214.8	228.7	198.7	177.9
77.5°	1009.6	515.2	90.1	53.1	48.5	85.5	124.8	175.6	203.3	171.0	145.5
80°	341.9	136.3	57.8	34.7	30.0	48.5	83.2	136.3	184.8	175.6	157.1
82.5°	134.0	85.5	39.3	23.1	20.8	23.1	41.6	85.5	147.9	159.4	184.8
85°	39.3	23.1	13.9	11.6	11.6	11.6	11.6	34.7	87.8	115.5	145.5
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	20.8	37.0	48.5
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)