

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: P690981

Luminaire Tested: **CRTK2-C01-D-U-T3-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690981
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-T3-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 6909 lumens
Efficiency: N/A
Efficacy: 113.3 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

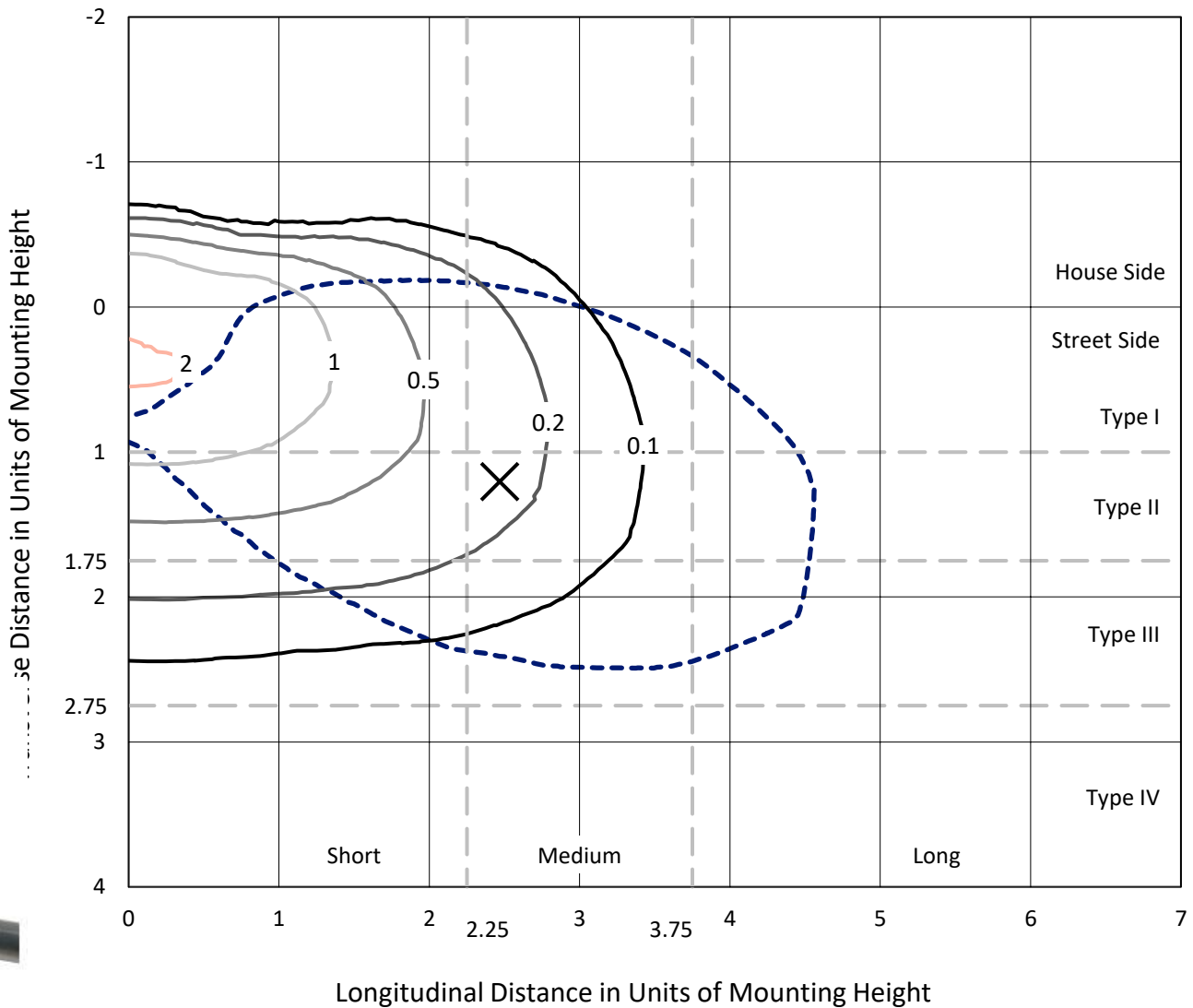


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

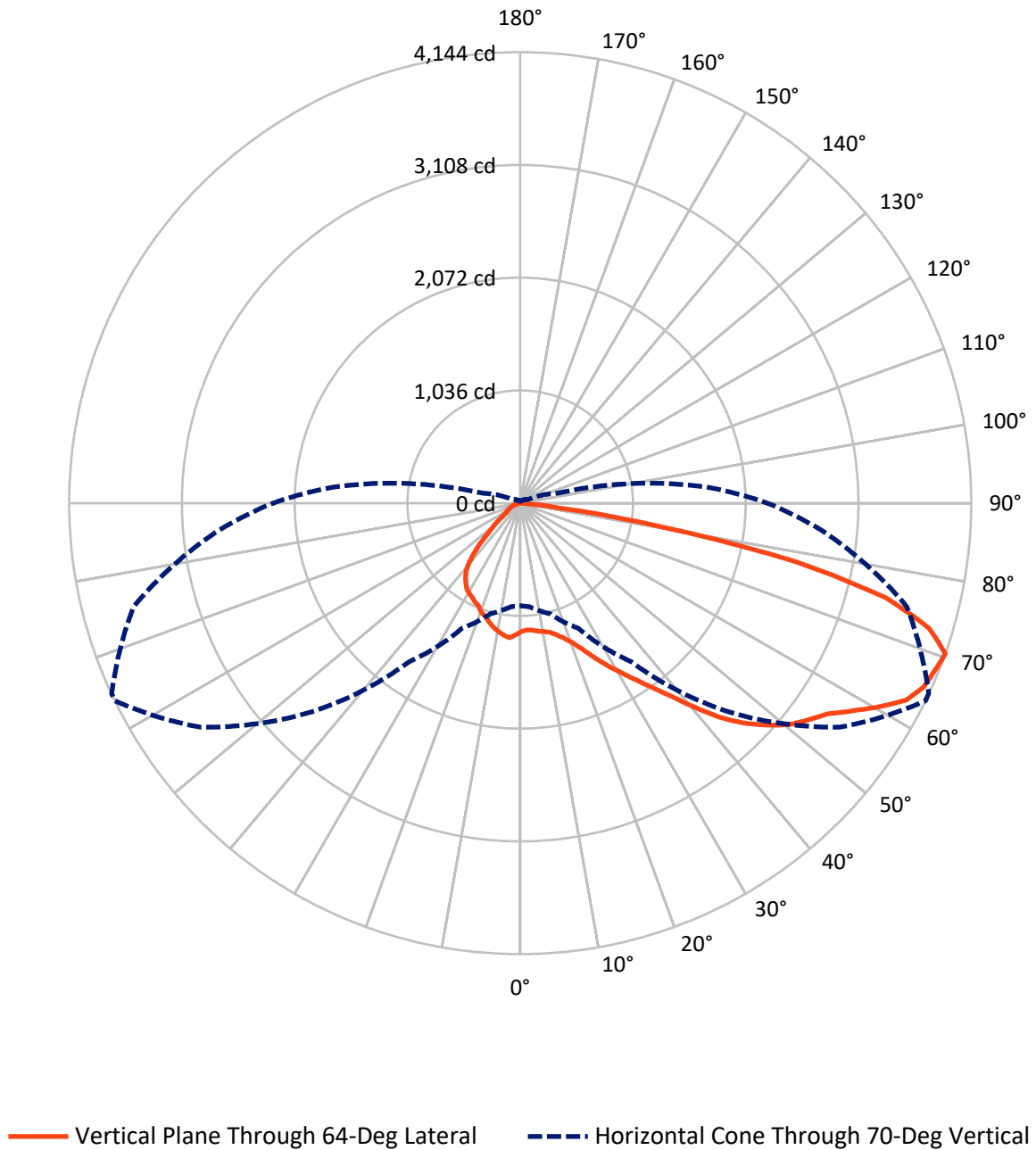


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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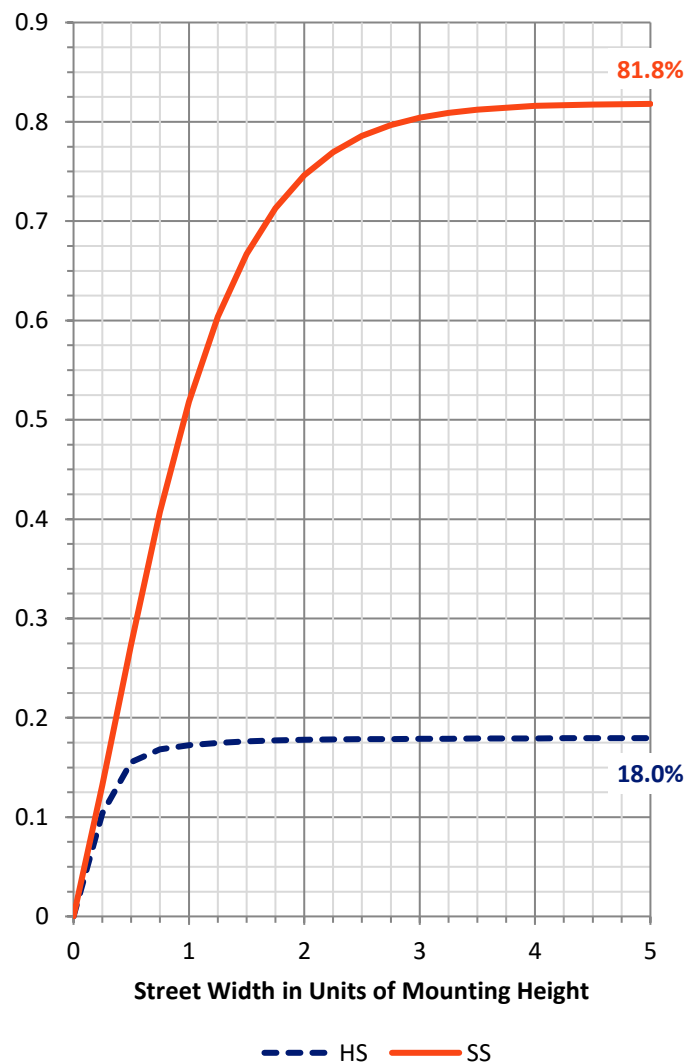
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1255.7	0.0	1255.7
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	5653.3	0.0	5653.3
	% Fixture	81.8	0.0	81.8
Total	Lumens	6909.0	0.0	6909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	1.7
10°-20°	340.1	4.9
20°-30°	573.0	8.3
30°-40°	843.3	12.2
40°-50°	1156.5	16.7
50°-60°	1407.2	20.4
60°-70°	1494.0	21.6
70°-80°	915.9	13.3
80°-90°	63.9	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°	6909.0	100.0
0°-180°	6909.0	100.0

Coefficient of Utilization



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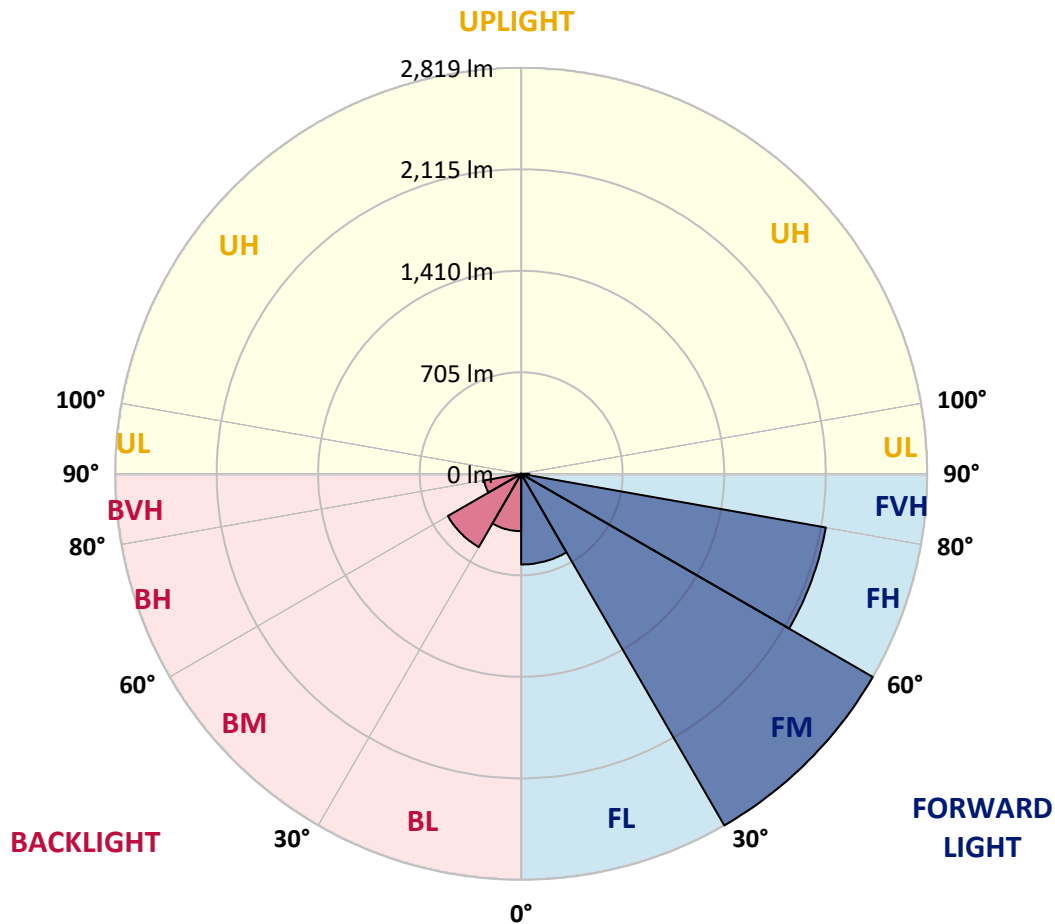
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	629.8	9.1			
FM	(30°-60°)	2819.4	40.8			
FH	(60°-80°)	2148.5	31.1			G2/5000
FVH	(80°-90°)	55.7	0.8			G1/100
BL	(0°-30°)	398.3	5.8	B1/500		
BM	(30°-60°)	587.7	8.5	B1/1000		
BH	(60°-80°)	261.4	3.8	B1/500		G1/500
BVH	(80°-90°)	8.2	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°	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7
2.5°	1167.1	1167.1	1169.6	1167.1	1172.1	1164.5	1167.1	1167.1	1167.1	1169.6	1177.2
5°	1202.5	1202.5	1197.4	1189.8	1182.2	1172.1	1172.1	1172.1	1172.1	1177.2	1194.9
7.5°	1225.3	1222.8	1222.8	1222.8	1215.2	1194.9	1189.8	1187.3	1187.3	1187.3	1205.0
10°	1281.0	1273.4	1263.3	1248.1	1240.5	1222.8	1202.5	1200.0	1200.0	1202.5	1225.3
12.5°	1334.1	1326.5	1326.5	1316.4	1286.0	1265.8	1230.3	1217.7	1217.7	1222.8	1235.4
15°	1422.7	1415.2	1394.9	1377.2	1349.3	1313.9	1278.4	1255.7	1253.1	1263.3	1245.5
17.5°	1486.0	1473.4	1475.9	1448.1	1425.3	1374.6	1339.2	1303.8	1303.8	1313.9	1278.4
20°	1546.8	1546.8	1549.3	1546.8	1508.8	1468.3	1410.1	1367.1	1369.6	1372.1	1316.4
22.5°	1637.9	1635.4	1635.4	1637.9	1612.6	1567.0	1503.8	1455.7	1453.1	1432.9	1364.5
25°	1744.3	1739.2	1729.1	1739.2	1726.5	1673.4	1612.6	1564.5	1556.9	1529.1	1435.4
27.5°	1832.9	1832.9	1832.9	1837.9	1837.9	1799.9	1731.6	1681.0	1686.0	1648.1	1518.9
30°	1896.1	1896.1	1918.9	1929.1	1936.7	1924.0	1850.6	1797.4	1807.5	1762.0	1622.7
32.5°	1964.5	1962.0	1992.3	2015.1	2025.3	2030.3	1969.6	1926.5	1929.1	1888.6	1741.7
35°	2027.8	2022.7	2063.2	2111.3	2136.6	2131.6	2088.5	2073.4	2078.4	2065.8	1903.7
37.5°	2073.4	2081.0	2134.1	2197.4	2237.9	2248.0	2220.2	2248.0	2275.9	2293.6	2113.9
40°	2124.0	2124.0	2174.6	2243.0	2306.3	2344.2	2364.5	2465.8	2488.5	2501.2	2237.9
42.5°	2073.4	2091.1	2197.4	2296.1	2379.7	2437.9	2521.4	2691.1	2716.4	2637.9	2402.5
45°	2030.3	2045.5	2151.8	2318.9	2440.4	2554.4	2706.3	2883.5	2908.8	2774.6	2496.1
47.5°	1987.3	2005.0	2116.4	2301.2	2496.1	2683.5	2855.6	3048.0	3060.7	2893.6	2620.2
50°	1939.2	1956.9	2073.4	2278.4	2529.0	2822.7	3002.4	3199.9	3202.4	2997.4	2683.5
52.5°	1878.4	1901.2	2017.7	2245.5	2556.9	2916.4	3134.1	3311.3	3296.1	3124.0	2759.4
55°	1802.5	1827.8	1956.9	2202.5	2572.1	2977.1	3220.2	3420.2	3410.0	3270.8	2858.1
57.5°	1716.4	1744.3	1878.4	2136.6	2567.0	3007.5	3308.8	3599.9	3605.0	3392.3	2931.6
60°	1617.7	1643.0	1769.6	2050.6	2501.2	3063.2	3498.6	3797.4	3815.1	3526.5	2961.9
62.5°	1488.6	1511.3	1632.9	1924.0	2417.7	3103.7	3642.9	3984.7	3977.1	3617.6	2972.1
65°	1326.5	1351.9	1465.8	1756.9	2286.0	3078.4	3688.5	4073.3	4073.3	3683.4	2964.5
67.5°	1162.0	1184.8	1281.0	1544.3	2073.4	2951.8	3660.7	4108.7	4131.5	3726.5	2896.1
70°	941.7	954.4	1050.6	1268.3	1777.2	2713.8	3589.8	4144.2	4141.7	3678.4	2767.0
72.5°	691.1	706.3	784.8	951.9	1374.6	2349.3	3367.0	3929.0	3888.5	3420.2	2516.4
75°	357.0	372.1	432.9	597.5	875.9	1658.2	2870.8	3470.8	3463.2	3027.8	2083.5
77.5°	48.1	48.1	55.7	98.7	202.5	660.7	1881.0	2599.9	2584.7	2308.8	1513.9
80°	32.9	32.9	38.0	45.6	58.2	144.3	663.3	1319.0	1341.7	1189.8	678.5
82.5°	25.3	22.8	27.8	32.9	35.4	65.8	202.5	364.5	369.6	331.6	207.6
85°	15.2	15.2	15.2	15.2	12.7	17.7	45.6	60.8	68.4	65.8	53.2
87.5°	7.6	7.6	7.6	5.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7	1179.7
2.5°	1179.7	1187.3	1197.4	1210.1	1222.8	1232.9	1243.0	1248.1	1253.1	1255.7	1258.2
5°	1200.0	1210.1	1222.8	1240.5	1240.5	1232.9	1227.8	1227.8	1232.9	1240.5	1243.0
7.5°	1220.2	1230.3	1225.3	1222.8	1225.3	1215.2	1202.5	1194.9	1189.8	1189.8	1194.9
10°	1227.8	1217.7	1212.6	1200.0	1174.7	1169.6	1159.5	1139.2	1134.1	1139.2	1121.5
12.5°	1222.8	1215.2	1189.8	1169.6	1144.3	1101.2	1075.9	1075.9	1063.3	1060.7	1063.3
15°	1235.4	1210.1	1179.7	1136.7	1091.1	1055.7	1015.2	979.7	969.6	972.1	972.1
17.5°	1245.5	1220.2	1159.5	1093.6	1053.1	989.8	944.3	924.0	906.3	903.8	903.8
20°	1268.3	1232.9	1146.8	1075.9	974.7	926.6	875.9	850.6	822.8	784.8	772.1
22.5°	1303.8	1255.7	1139.2	1027.8	939.2	863.3	789.9	713.9	668.3	638.0	645.6
25°	1351.9	1298.7	1146.8	1010.1	886.1	789.9	693.7	589.9	521.5	501.3	513.9
27.5°	1437.9	1346.8	1169.6	984.8	848.1	703.8	559.5	468.3	405.1	384.8	392.4
30°	1516.4	1420.2	1172.1	969.6	787.3	602.5	440.5	339.2	288.6	258.2	250.6
32.5°	1658.2	1498.7	1235.4	949.3	724.0	491.1	324.0	225.3	179.7	162.0	157.0
35°	1797.4	1637.9	1253.1	911.4	607.6	364.5	200.0	134.2	108.9	96.2	93.7
37.5°	1989.8	1807.5	1326.5	870.9	491.1	222.8	121.5	81.0	75.9	73.4	73.4
40°	2086.0	1896.1	1387.3	812.6	344.3	126.6	78.5	70.9	68.4	65.8	65.8
42.5°	2222.7	1997.4	1437.9	708.8	202.5	83.5	70.9	65.8	63.3	60.8	60.8
45°	2298.7	2050.6	1425.3	582.3	101.3	78.5	68.4	63.3	58.2	58.2	58.2
47.5°	2399.9	2129.1	1392.4	430.4	91.1	75.9	65.8	60.8	58.2	60.8	58.2
50°	2496.1	2205.0	1301.2	341.8	88.6	73.4	65.8	58.2	58.2	58.2	58.2
52.5°	2549.3	2275.9	1187.3	250.6	91.1	73.4	63.3	58.2	58.2	55.7	58.2
55°	2599.9	2286.0	1096.2	182.3	91.1	70.9	60.8	55.7	53.2	50.6	50.6
57.5°	2635.4	2263.2	1022.8	151.9	91.1	70.9	58.2	53.2	45.6	43.0	43.0
60°	2625.2	2207.5	962.0	139.2	86.1	65.8	53.2	45.6	40.5	35.4	35.4
62.5°	2597.4	2174.6	850.6	121.5	78.5	60.8	48.1	38.0	32.9	30.4	30.4
65°	2572.1	2070.8	721.5	108.9	73.4	53.2	40.5	32.9	27.8	25.3	25.3
67.5°	2450.6	1934.1	536.7	93.7	65.8	48.1	35.4	30.4	25.3	22.8	20.3
70°	2270.8	1713.9	351.9	81.0	58.2	40.5	30.4	25.3	20.3	17.7	17.7
72.5°	1964.5	1415.2	182.3	65.8	48.1	35.4	27.8	22.8	17.7	15.2	15.2
75°	1594.9	1040.5	108.9	50.6	38.0	30.4	22.8	17.7	15.2	12.7	12.7
77.5°	1103.8	574.7	78.5	38.0	25.3	22.8	17.7	15.2	12.7	10.1	10.1
80°	372.1	157.0	55.7	27.8	17.7	17.7	12.7	10.1	10.1	7.6	7.6
82.5°	146.8	96.2	38.0	20.3	15.2	12.7	10.1	7.6	7.6	7.6	7.6
85°	40.5	27.8	15.2	10.1	7.6	7.6	7.6	5.1	5.1	5.1	5.1
87.5°	2.5	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	2.5	2.5
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)