

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: P691717

Luminaire Tested: **CRTK2-C018-D-U-T3-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691717
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-C018-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: 5474 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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



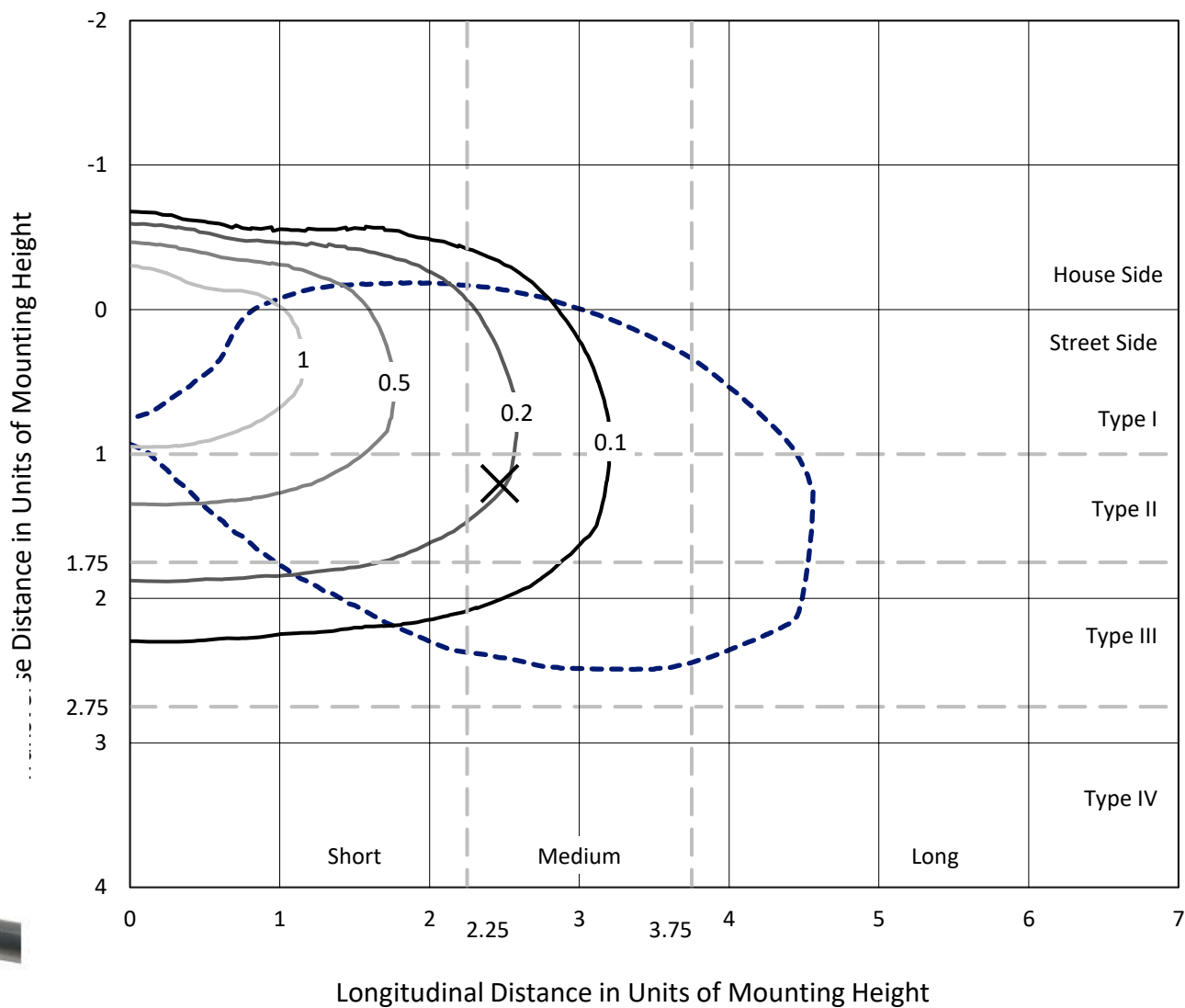
REPORT NUMBER: P691717

CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

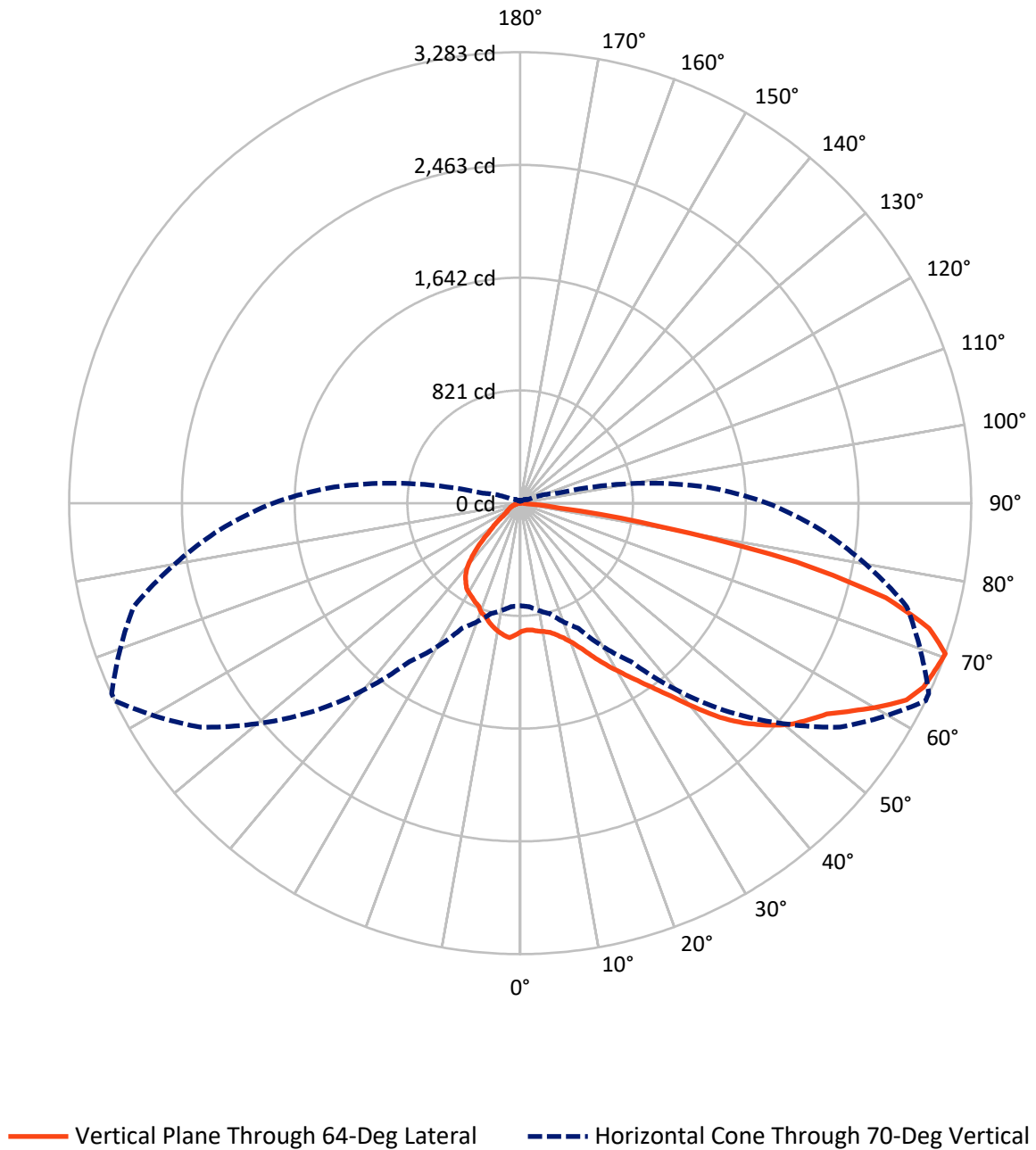


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P691717

CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691717

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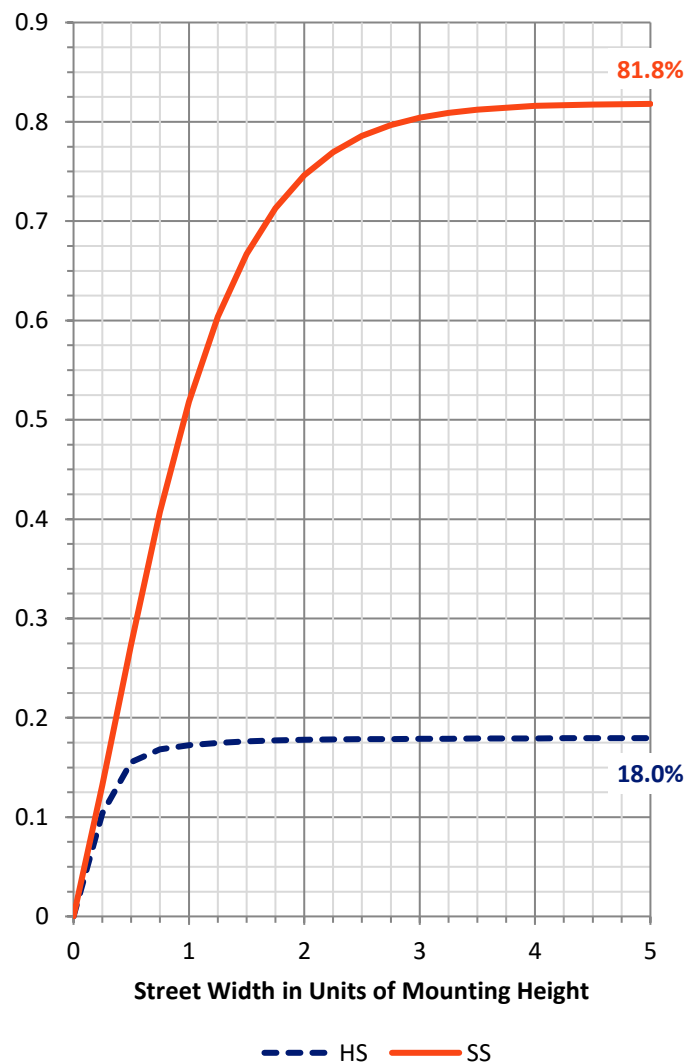
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	994.8	0.0	994.8
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	4479.1	0.0	4479.1
	% Fixture	81.8	0.0	81.8
Total	Lumens	5474.0	0.0	5474.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.7
10°-20°	269.5	4.9
20°-30°	454.0	8.3
30°-40°	668.2	12.2
40°-50°	916.3	16.7
50°-60°	1114.9	20.4
60°-70°	1183.7	21.6
70°-80°	725.6	13.3
80°-90°	50.6	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°	5474.0	100.0
0°-180°	5474.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691717

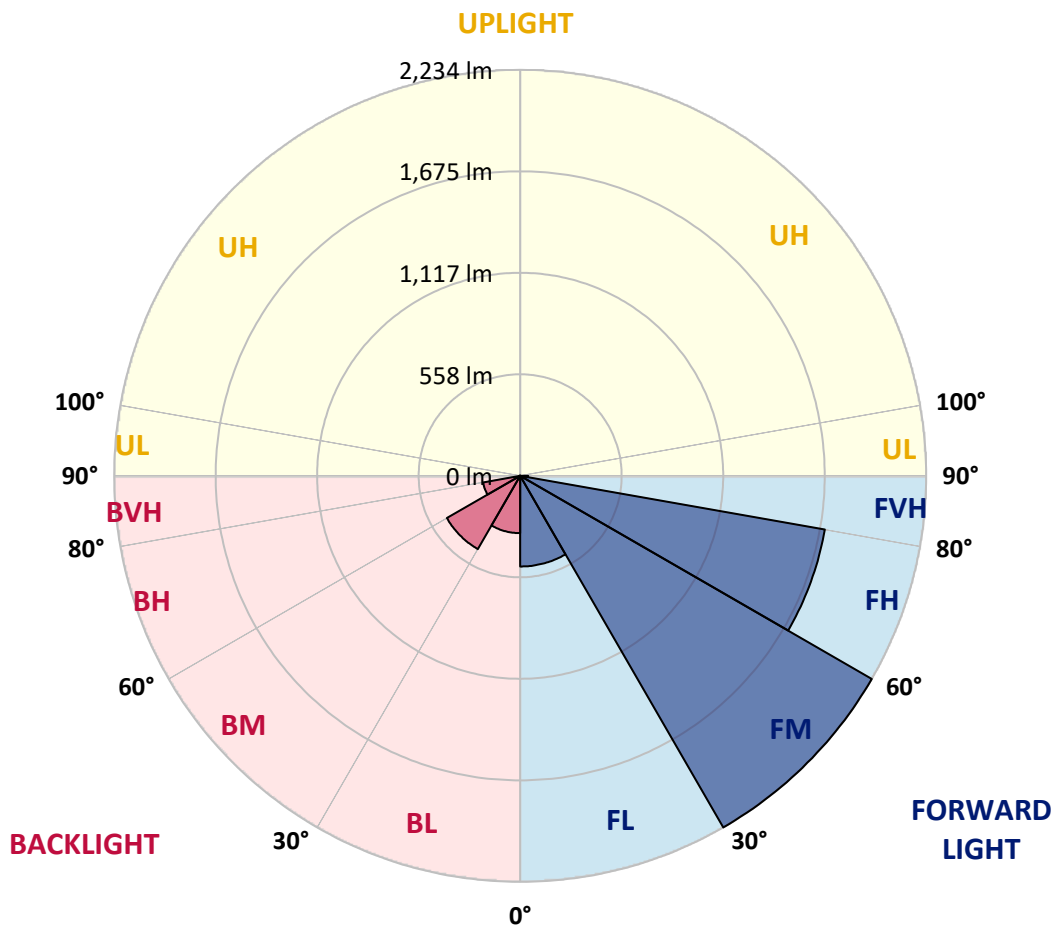
CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	499.0	9.1			
FM	(30°-60°)	2233.8	40.8			
FH	(60°-80°)	1702.2	31.1			G1/1800
FVH	(80°-90°)	44.1	0.8			G1/100
BL	(0°-30°)	315.6	5.8	B1/500		
BM	(30°-60°)	465.6	8.5	B1/1000		
BH	(60°-80°)	207.1	3.8	B1/500		G1/500
BVH	(80°-90°)	6.5	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-G1

Type III Medium



REPORT NUMBER: P691717

CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-U0-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	924.7	924.7	926.7	924.7	928.7	922.7	924.7	924.7	924.7	926.7	932.7
5°	952.7	952.7	948.7	942.7	936.7	928.7	928.7	928.7	928.7	932.7	946.7
7.5°	970.8	968.8	968.8	968.8	962.8	946.7	942.7	940.7	940.7	940.7	954.7
10°	1014.9	1008.9	1000.9	988.8	982.8	968.8	952.7	950.7	950.7	952.7	970.8
12.5°	1057.0	1051.0	1051.0	1043.0	1018.9	1002.9	974.8	964.8	964.8	968.8	978.8
15°	1127.2	1121.2	1105.2	1091.1	1069.1	1041.0	1012.9	994.9	992.9	1000.9	986.8
17.5°	1177.4	1167.4	1169.4	1147.3	1129.2	1089.1	1061.1	1033.0	1033.0	1041.0	1012.9
20°	1225.5	1225.5	1227.5	1225.5	1195.4	1163.3	1117.2	1083.1	1085.1	1087.1	1043.0
22.5°	1297.7	1295.7	1295.7	1297.7	1277.7	1241.6	1191.4	1153.3	1151.3	1135.3	1081.1
25°	1382.0	1378.0	1369.9	1378.0	1367.9	1325.8	1277.7	1239.6	1233.5	1211.5	1137.3
27.5°	1452.2	1452.2	1452.2	1456.2	1456.2	1426.1	1371.9	1331.8	1335.8	1305.8	1203.5
30°	1502.3	1502.3	1520.4	1528.4	1534.4	1524.4	1466.2	1424.1	1432.1	1396.0	1285.7
32.5°	1556.5	1554.5	1578.5	1596.6	1604.6	1608.6	1560.5	1526.4	1528.4	1496.3	1380.0
35°	1606.6	1602.6	1634.7	1672.8	1692.9	1688.9	1654.8	1642.7	1646.7	1636.7	1508.3
37.5°	1642.7	1648.7	1690.9	1741.0	1773.1	1781.1	1759.1	1781.1	1803.2	1817.2	1674.8
40°	1682.8	1682.8	1723.0	1777.1	1827.3	1857.3	1873.4	1953.6	1971.7	1981.7	1773.1
42.5°	1642.7	1656.8	1741.0	1819.2	1885.4	1931.6	1997.7	2132.1	2152.2	2090.0	1903.5
45°	1608.6	1620.7	1704.9	1837.3	1933.6	2023.8	2144.2	2284.6	2304.6	2198.3	1977.7
47.5°	1574.5	1588.6	1676.8	1823.2	1977.7	2126.1	2262.5	2414.9	2425.0	2292.6	2076.0
50°	1536.4	1550.5	1642.7	1805.2	2003.8	2236.4	2378.8	2535.3	2537.3	2374.8	2126.1
52.5°	1488.3	1506.3	1598.6	1779.1	2025.8	2310.6	2483.1	2623.5	2611.5	2475.1	2186.3
55°	1428.1	1448.2	1550.5	1745.0	2037.9	2358.8	2551.3	2709.8	2701.8	2591.4	2264.5
57.5°	1359.9	1382.0	1488.3	1692.9	2033.8	2382.9	2621.5	2852.2	2856.2	2687.7	2322.7
60°	1281.7	1301.7	1402.0	1624.7	1981.7	2427.0	2772.0	3008.6	3022.7	2794.0	2346.7
62.5°	1179.4	1197.4	1293.7	1524.4	1915.5	2459.1	2886.3	3157.1	3151.1	2866.2	2354.8
65°	1051.0	1071.1	1161.3	1392.0	1811.2	2439.0	2922.4	3227.3	3227.3	2918.4	2348.8
67.5°	920.6	938.7	1014.9	1223.5	1642.7	2338.7	2900.3	3255.4	3273.4	2952.5	2294.6
70°	746.1	756.2	832.4	1004.9	1408.0	2150.2	2844.2	3283.4	3281.4	2914.4	2192.3
72.5°	547.6	559.6	621.8	754.2	1089.1	1861.4	2667.7	3112.9	3080.9	2709.8	1993.7
75°	282.8	294.8	343.0	473.4	694.0	1313.8	2274.5	2749.9	2743.9	2398.9	1650.7
77.5°	38.1	38.1	44.1	78.2	160.5	523.5	1490.3	2059.9	2047.9	1829.3	1199.4
80°	26.1	26.1	30.1	36.1	46.1	114.3	525.5	1045.0	1063.1	942.7	537.5
82.5°	20.1	18.1	22.1	26.1	28.1	52.1	160.5	288.8	292.8	262.8	164.5
85°	12.0	12.0	12.0	12.0	10.0	14.0	36.1	48.1	54.2	52.1	42.1
87.5°	6.0	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691717

CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	934.7	940.7	948.7	958.8	968.8	976.8	984.8	988.8	992.9	994.9	996.9
5°	950.7	958.8	968.8	982.8	982.8	976.8	972.8	972.8	976.8	982.8	984.8
7.5°	966.8	974.8	970.8	968.8	970.8	962.8	952.7	946.7	942.7	942.7	946.7
10°	972.8	964.8	960.8	950.7	930.7	926.7	918.6	902.6	898.6	902.6	888.6
12.5°	968.8	962.8	942.7	926.7	906.6	872.5	852.5	852.5	842.4	840.4	842.4
15°	978.8	958.8	934.7	900.6	864.5	836.4	804.3	776.2	768.2	770.2	770.2
17.5°	986.8	966.8	918.6	866.5	834.4	784.3	748.2	732.1	718.1	716.1	716.1
20°	1004.9	976.8	908.6	852.5	772.2	734.1	694.0	673.9	651.9	621.8	611.8
22.5°	1033.0	994.9	902.6	814.3	744.1	684.0	625.8	565.6	529.5	505.5	511.5
25°	1071.1	1029.0	908.6	800.3	702.0	625.8	549.6	467.3	413.2	397.1	407.2
27.5°	1139.3	1067.1	926.7	780.2	671.9	557.6	443.3	371.1	320.9	304.9	310.9
30°	1201.5	1125.2	928.7	768.2	623.8	477.4	349.0	268.8	228.7	204.6	198.6
32.5°	1313.8	1187.4	978.8	752.2	573.6	389.1	256.7	178.5	142.4	128.4	124.4
35°	1424.1	1297.7	992.9	722.1	481.4	288.8	158.5	106.3	86.2	76.2	74.2
37.5°	1576.5	1432.1	1051.0	690.0	389.1	176.5	96.3	64.2	60.2	58.2	58.2
40°	1652.8	1502.3	1099.2	643.9	272.8	100.3	62.2	56.2	54.2	52.1	52.1
42.5°	1761.1	1582.5	1139.3	561.6	160.5	66.2	56.2	52.1	50.1	48.1	48.1
45°	1821.2	1624.7	1129.2	461.3	80.2	62.2	54.2	50.1	46.1	46.1	46.1
47.5°	1901.5	1686.8	1103.2	341.0	72.2	60.2	52.1	48.1	46.1	48.1	46.1
50°	1977.7	1747.0	1031.0	270.8	70.2	58.2	52.1	46.1	46.1	46.1	46.1
52.5°	2019.8	1803.2	940.7	198.6	72.2	58.2	50.1	46.1	46.1	44.1	46.1
55°	2059.9	1811.2	868.5	144.4	72.2	56.2	48.1	44.1	42.1	40.1	40.1
57.5°	2088.0	1793.2	810.3	120.3	72.2	56.2	46.1	42.1	36.1	34.1	34.1
60°	2080.0	1749.0	762.2	110.3	68.2	52.1	42.1	36.1	32.1	28.1	28.1
62.5°	2057.9	1723.0	673.9	96.3	62.2	48.1	38.1	30.1	26.1	24.1	24.1
65°	2037.9	1640.7	571.6	86.2	58.2	42.1	32.1	26.1	22.1	20.1	20.1
67.5°	1941.6	1532.4	425.2	74.2	52.1	38.1	28.1	24.1	20.1	18.1	16.0
70°	1799.2	1357.9	278.8	64.2	46.1	32.1	24.1	20.1	16.0	14.0	14.0
72.5°	1556.5	1121.2	144.4	52.1	38.1	28.1	22.1	18.1	14.0	12.0	12.0
75°	1263.6	824.4	86.2	40.1	30.1	24.1	18.1	14.0	12.0	10.0	10.0
77.5°	874.5	455.3	62.2	30.1	20.1	18.1	14.0	12.0	10.0	8.0	8.0
80°	294.8	124.4	44.1	22.1	14.0	14.0	10.0	8.0	8.0	6.0	6.0
82.5°	116.3	76.2	30.1	16.0	12.0	10.0	8.0	6.0	6.0	6.0	6.0
85°	32.1	22.1	12.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
87.5°	2.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
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)