

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: P690873

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690873
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-C01-5TLD-U-T3-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 7862 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 60
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



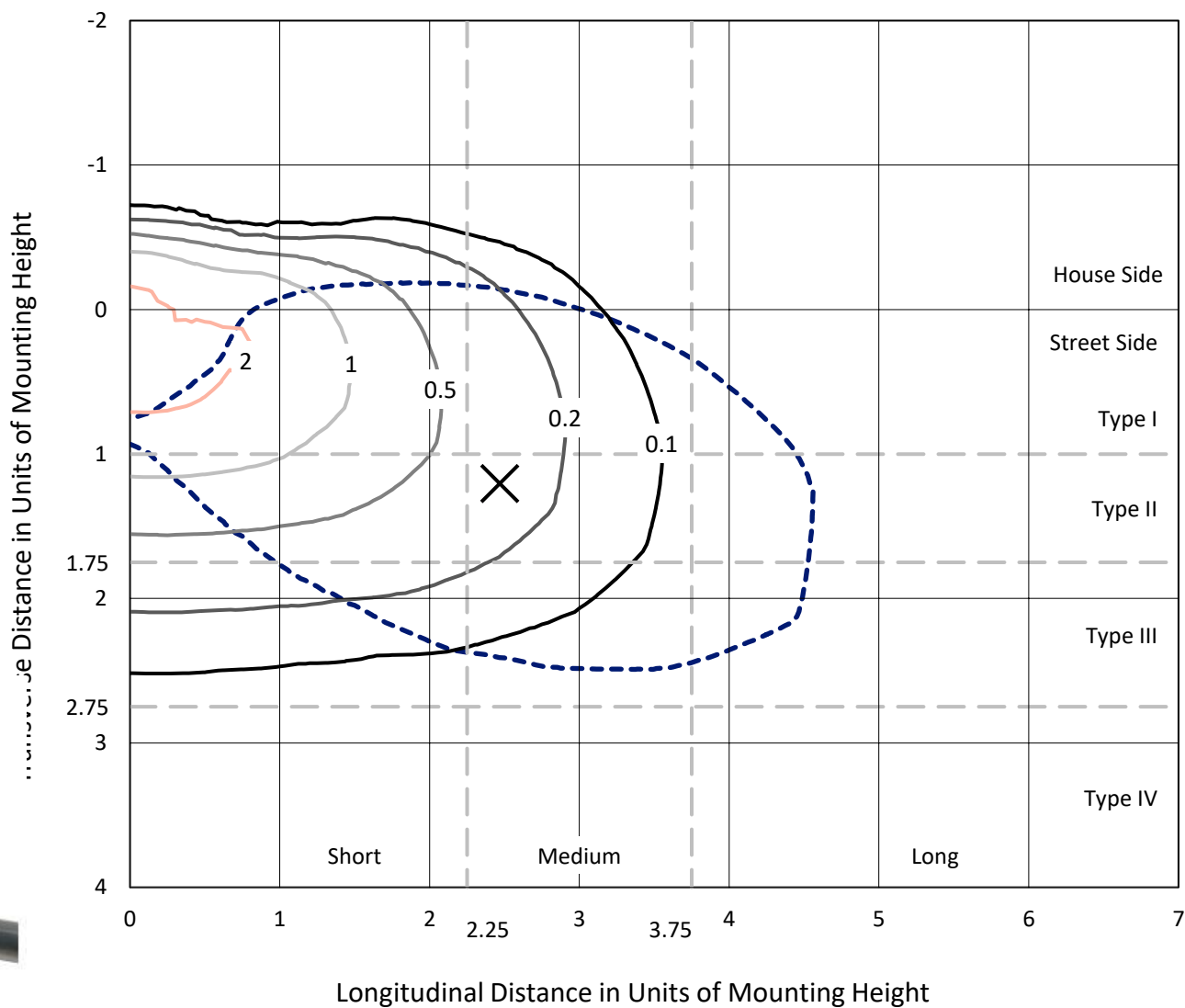
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

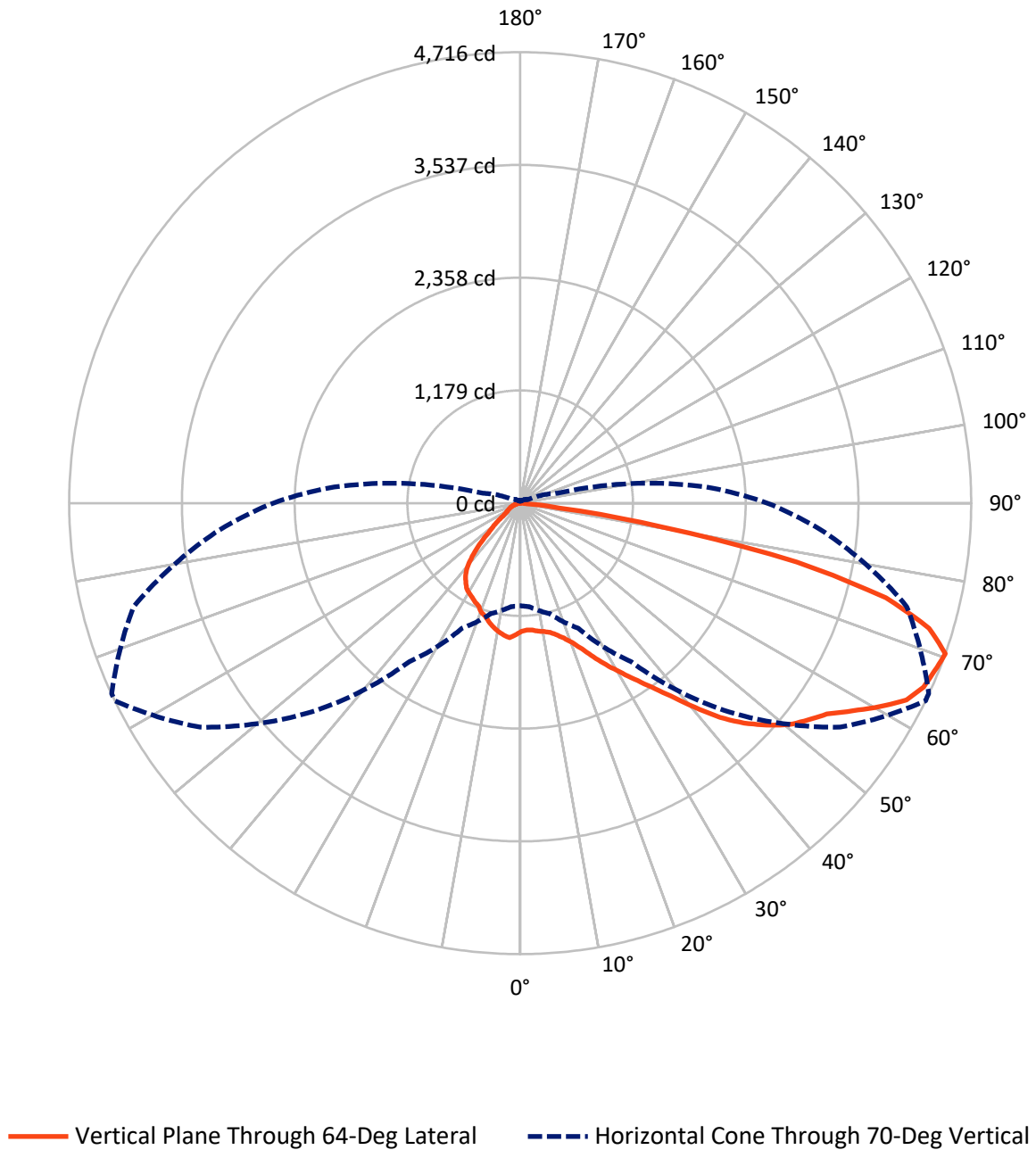


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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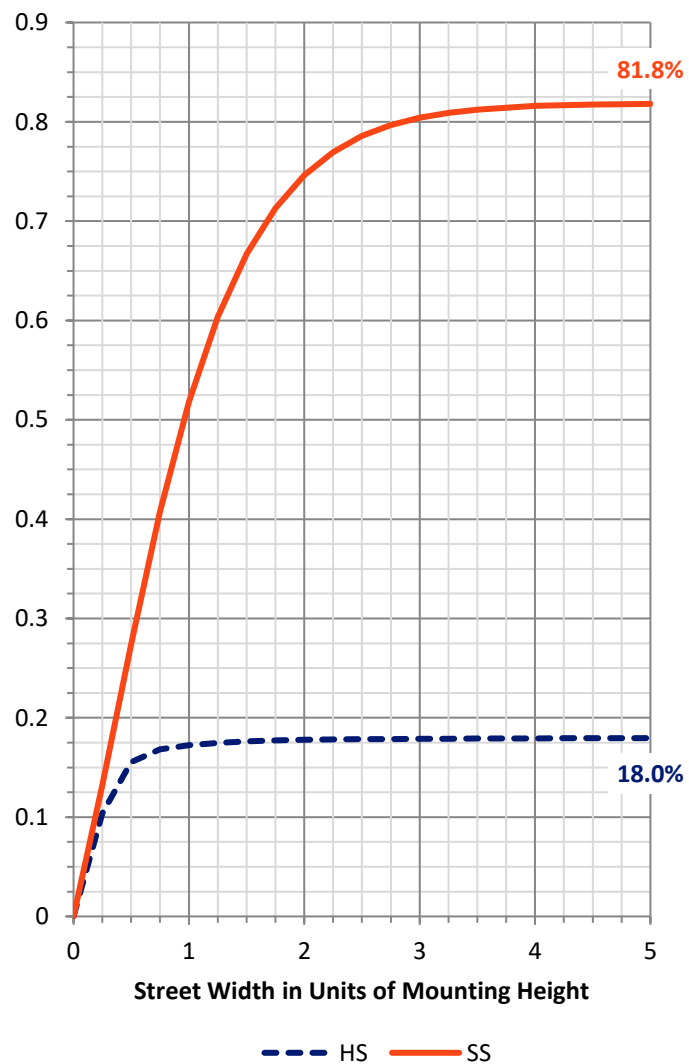
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1428.9	0.0	1428.9
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	6433.2	0.0	6433.2
	% Fixture	81.8	0.0	81.8
Total	Lumens	7862.0	0.0	7862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.8	1.7
10°-20°	387.0	4.9
20°-30°	652.1	8.3
30°-40°	959.7	12.2
40°-50°	1316.1	16.7
50°-60°	1601.3	20.4
60°-70°	1700.1	21.6
70°-80°	1042.2	13.3
80°-90°	72.7	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°	7862.0	100.0
0°-180°	7862.0	100.0

Coefficient of Utilization



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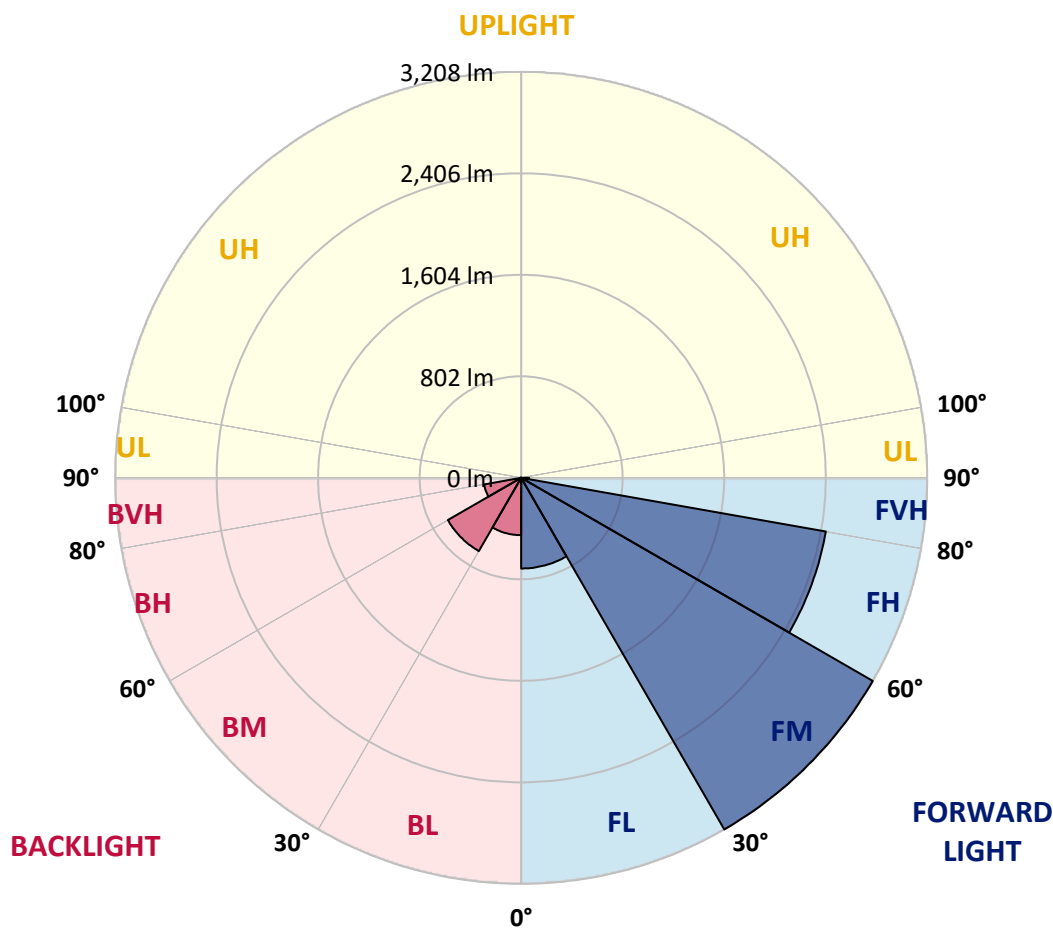
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	716.7	9.1			
FM	(30°-60°)	3208.2	40.8			
FH	(60°-80°)	2444.8	31.1			G2/5000
FVH	(80°-90°)	63.4	0.8			G1/100
BL	(0°-30°)	453.3	5.8	B1/500		
BM	(30°-60°)	668.8	8.5	B1/1000		
BH	(60°-80°)	297.5	3.8	B1/500		G1/500
BVH	(80°-90°)	9.3	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°	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4
2.5°	1328.0	1328.0	1330.9	1328.0	1333.8	1325.2	1328.0	1328.0	1328.0	1330.9	1339.6
5°	1368.4	1368.4	1362.6	1354.0	1345.3	1333.8	1333.8	1333.8	1333.8	1339.6	1359.7
7.5°	1394.3	1391.4	1391.4	1391.4	1382.8	1359.7	1354.0	1351.1	1351.1	1351.1	1371.2
10°	1457.7	1449.0	1437.5	1420.2	1411.6	1391.4	1368.4	1365.5	1365.5	1368.4	1394.3
12.5°	1518.2	1509.5	1509.5	1498.0	1463.4	1440.4	1400.1	1385.7	1385.7	1391.4	1405.8
15°	1619.0	1610.4	1587.3	1567.1	1535.5	1495.1	1454.8	1428.9	1426.0	1437.5	1417.3
17.5°	1691.0	1676.6	1679.5	1647.8	1621.9	1564.3	1523.9	1483.6	1483.6	1495.1	1454.8
20°	1760.2	1760.2	1763.0	1760.2	1716.9	1670.8	1604.6	1555.6	1558.5	1561.4	1498.0
22.5°	1863.9	1861.0	1861.0	1863.9	1835.1	1783.2	1711.2	1656.4	1653.6	1630.5	1552.7
25°	1984.9	1979.1	1967.6	1979.1	1964.7	1904.2	1835.1	1780.3	1771.7	1740.0	1633.4
27.5°	2085.7	2085.7	2085.7	2091.4	2091.4	2048.2	1970.4	1912.8	1918.6	1875.4	1728.5
30°	2157.7	2157.7	2183.6	2195.1	2203.8	2189.4	2105.8	2045.3	2056.9	2005.0	1846.6
32.5°	2235.5	2232.6	2267.2	2293.1	2304.6	2310.4	2241.2	2192.3	2195.1	2149.1	1982.0
35°	2307.5	2301.7	2347.8	2402.6	2431.4	2425.6	2376.6	2359.4	2365.1	2350.7	2166.3
37.5°	2359.4	2368.0	2428.5	2500.5	2546.6	2558.1	2526.4	2558.1	2589.8	2610.0	2405.4
40°	2417.0	2417.0	2474.6	2552.4	2624.4	2667.6	2690.6	2805.9	2831.8	2846.2	2546.6
42.5°	2359.4	2379.5	2500.5	2612.9	2707.9	2774.2	2869.2	3062.3	3091.1	3001.8	2733.9
45°	2310.4	2327.7	2448.7	2638.8	2777.1	2906.7	3079.5	3281.2	3310.0	3157.3	2840.4
47.5°	2261.4	2281.6	2408.3	2618.6	2840.4	3053.6	3249.5	3468.4	3482.9	3292.7	2981.6
50°	2206.7	2226.8	2359.4	2592.7	2877.9	3212.1	3416.6	3641.3	3644.2	3410.8	3053.6
52.5°	2137.5	2163.5	2296.0	2555.2	2909.6	3318.6	3566.4	3768.0	3750.8	3554.9	3140.0
55°	2051.1	2079.9	2226.8	2506.3	2926.9	3387.8	3664.3	3891.9	3880.4	3722.0	3252.4
57.5°	1953.2	1984.9	2137.5	2431.4	2921.1	3422.4	3765.2	4096.5	4102.2	3860.2	3335.9
60°	1840.8	1869.6	2013.7	2333.4	2846.2	3485.7	3981.2	4321.2	4341.3	4012.9	3370.5
62.5°	1693.9	1719.8	1858.1	2189.4	2751.1	3531.8	4145.4	4534.3	4525.7	4116.6	3382.0
65°	1509.5	1538.3	1668.0	1999.3	2601.3	3503.0	4197.3	4635.2	4635.2	4191.5	3373.4
67.5°	1322.3	1348.2	1457.7	1757.3	2359.4	3359.0	4165.6	4675.5	4701.4	4240.5	3295.6
70°	1071.6	1086.1	1195.5	1443.3	2022.3	3088.2	4084.9	4715.8	4712.9	4185.8	3148.7
72.5°	786.5	803.7	893.0	1083.2	1564.3	2673.4	3831.4	4471.0	4424.9	3891.9	2863.5
75°	406.2	423.5	492.6	679.9	996.7	1886.9	3266.8	3949.5	3940.9	3445.4	2370.9
77.5°	54.7	54.7	63.4	112.4	230.5	751.9	2140.4	2958.6	2941.3	2627.3	1722.7
80°	37.5	37.5	43.2	51.9	66.3	164.2	754.8	1500.9	1526.8	1354.0	772.0
82.5°	28.8	25.9	31.7	37.5	40.3	74.9	230.5	414.8	420.6	377.4	236.2
85°	17.3	17.3	17.3	17.3	14.4	20.2	51.9	69.1	77.8	74.9	60.5
87.5°	8.6	8.6	8.6	5.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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°	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4	1342.4
2.5°	1342.4	1351.1	1362.6	1377.0	1391.4	1402.9	1414.5	1420.2	1426.0	1428.9	1431.7
5°	1365.5	1377.0	1391.4	1411.6	1411.6	1402.9	1397.2	1397.2	1402.9	1411.6	1414.5
7.5°	1388.5	1400.1	1394.3	1391.4	1394.3	1382.8	1368.4	1359.7	1354.0	1354.0	1359.7
10°	1397.2	1385.7	1379.9	1365.5	1336.7	1330.9	1319.4	1296.3	1290.6	1296.3	1276.2
12.5°	1391.4	1382.8	1354.0	1330.9	1302.1	1253.1	1224.3	1224.3	1209.9	1207.0	1209.9
15°	1405.8	1377.0	1342.4	1293.5	1241.6	1201.3	1155.2	1114.9	1103.3	1106.2	1106.2
17.5°	1417.3	1388.5	1319.4	1244.5	1198.4	1126.4	1074.5	1051.5	1031.3	1028.4	1028.4
20°	1443.3	1402.9	1305.0	1224.3	1109.1	1054.4	996.7	967.9	936.3	893.0	878.6
22.5°	1483.6	1428.9	1296.3	1169.6	1068.8	982.3	898.8	812.4	760.5	726.0	734.6
25°	1538.3	1477.8	1305.0	1149.4	1008.3	898.8	789.3	671.2	593.4	570.4	584.8
27.5°	1636.3	1532.6	1330.9	1120.6	965.1	800.9	636.7	532.9	460.9	437.9	446.5
30°	1725.6	1616.1	1333.8	1103.3	895.9	685.6	501.3	386.0	328.4	293.8	285.2
32.5°	1886.9	1705.4	1405.8	1080.3	823.9	558.9	368.7	256.4	204.5	184.4	178.6
35°	2045.3	1863.9	1426.0	1037.1	691.4	414.8	227.6	152.7	123.9	109.5	106.6
37.5°	2264.3	2056.9	1509.5	991.0	558.9	253.5	138.3	92.2	86.4	83.5	83.5
40°	2373.8	2157.7	1578.7	924.7	391.8	144.0	89.3	80.7	77.8	74.9	74.9
42.5°	2529.3	2272.9	1636.3	806.6	230.5	95.1	80.7	74.9	72.0	69.1	69.1
45°	2615.7	2333.4	1621.9	662.6	115.2	89.3	77.8	72.0	66.3	66.3	66.3
47.5°	2731.0	2422.7	1584.4	489.7	103.7	86.4	74.9	69.1	66.3	69.1	66.3
50°	2840.4	2509.2	1480.7	388.9	100.8	83.5	74.9	66.3	66.3	66.3	66.3
52.5°	2900.9	2589.8	1351.1	285.2	103.7	83.5	72.0	66.3	66.3	63.4	66.3
55°	2958.6	2601.3	1247.4	207.4	103.7	80.7	69.1	63.4	60.5	57.6	57.6
57.5°	2998.9	2575.4	1163.8	172.8	103.7	80.7	66.3	60.5	51.9	49.0	49.0
60°	2987.4	2512.0	1094.7	158.4	97.9	74.9	60.5	51.9	46.1	40.3	40.3
62.5°	2955.7	2474.6	967.9	138.3	89.3	69.1	54.7	43.2	37.5	34.6	34.6
65°	2926.9	2356.5	821.0	123.9	83.5	60.5	46.1	37.5	31.7	28.8	28.8
67.5°	2788.6	2200.9	610.7	106.6	74.9	54.7	40.3	34.6	28.8	25.9	23.0
70°	2584.1	1950.3	400.4	92.2	66.3	46.1	34.6	28.8	23.0	20.2	20.2
72.5°	2235.5	1610.4	207.4	74.9	54.7	40.3	31.7	25.9	20.2	17.3	17.3
75°	1814.9	1184.0	123.9	57.6	43.2	34.6	25.9	20.2	17.3	14.4	14.4
77.5°	1256.0	653.9	89.3	43.2	28.8	25.9	20.2	17.3	14.4	11.5	11.5
80°	423.5	178.6	63.4	31.7	20.2	20.2	14.4	11.5	11.5	8.6	8.6
82.5°	167.1	109.5	43.2	23.0	17.3	14.4	11.5	8.6	8.6	8.6	8.6
85°	46.1	31.7	17.3	11.5	8.6	8.6	8.6	5.8	5.8	5.8	5.8
87.5°	2.9	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9
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)