

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: P510910

Luminaire Tested: **USSL-P-C014-D-U-T4-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C014-D-U-T4-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 600mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4792 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

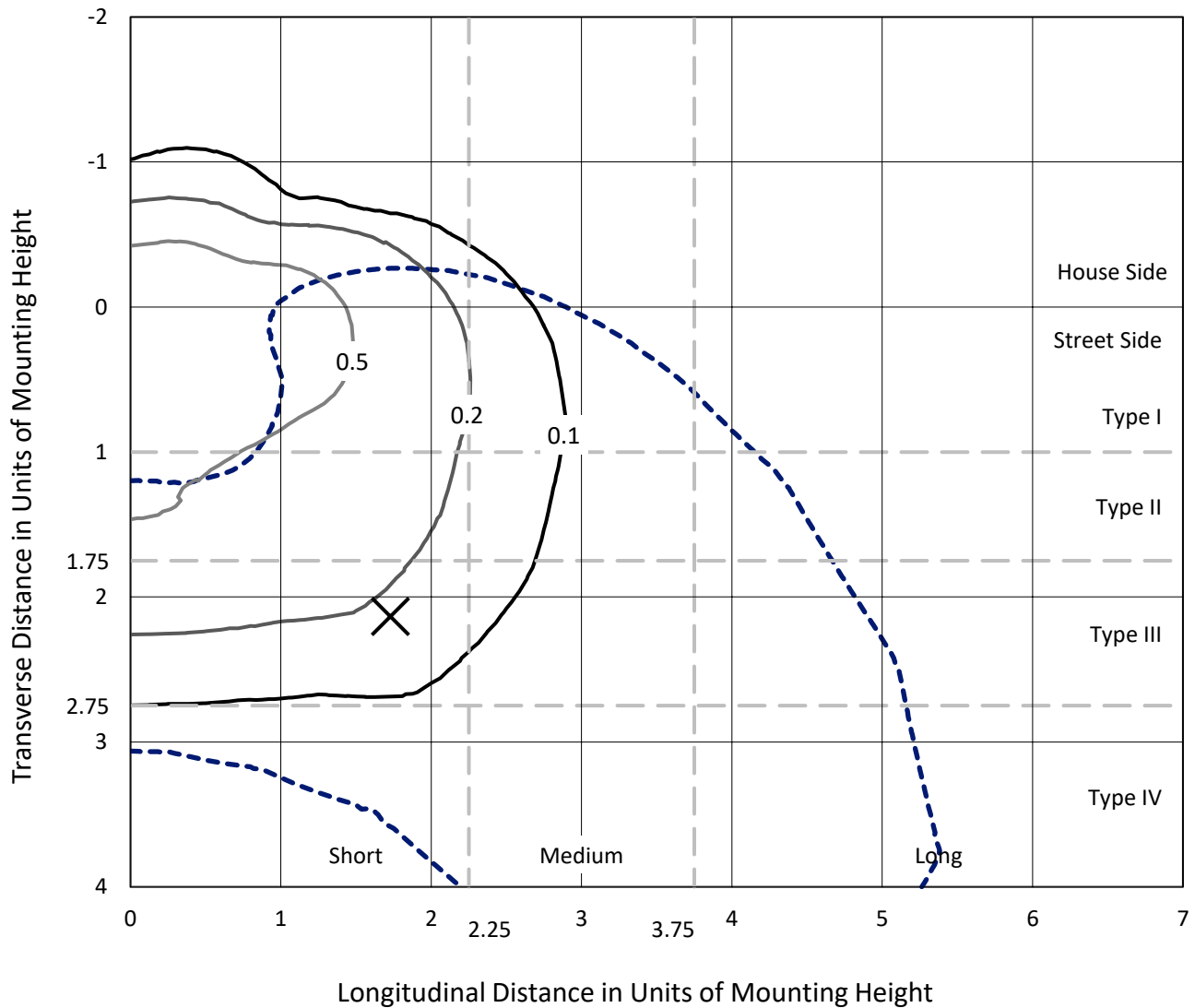
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

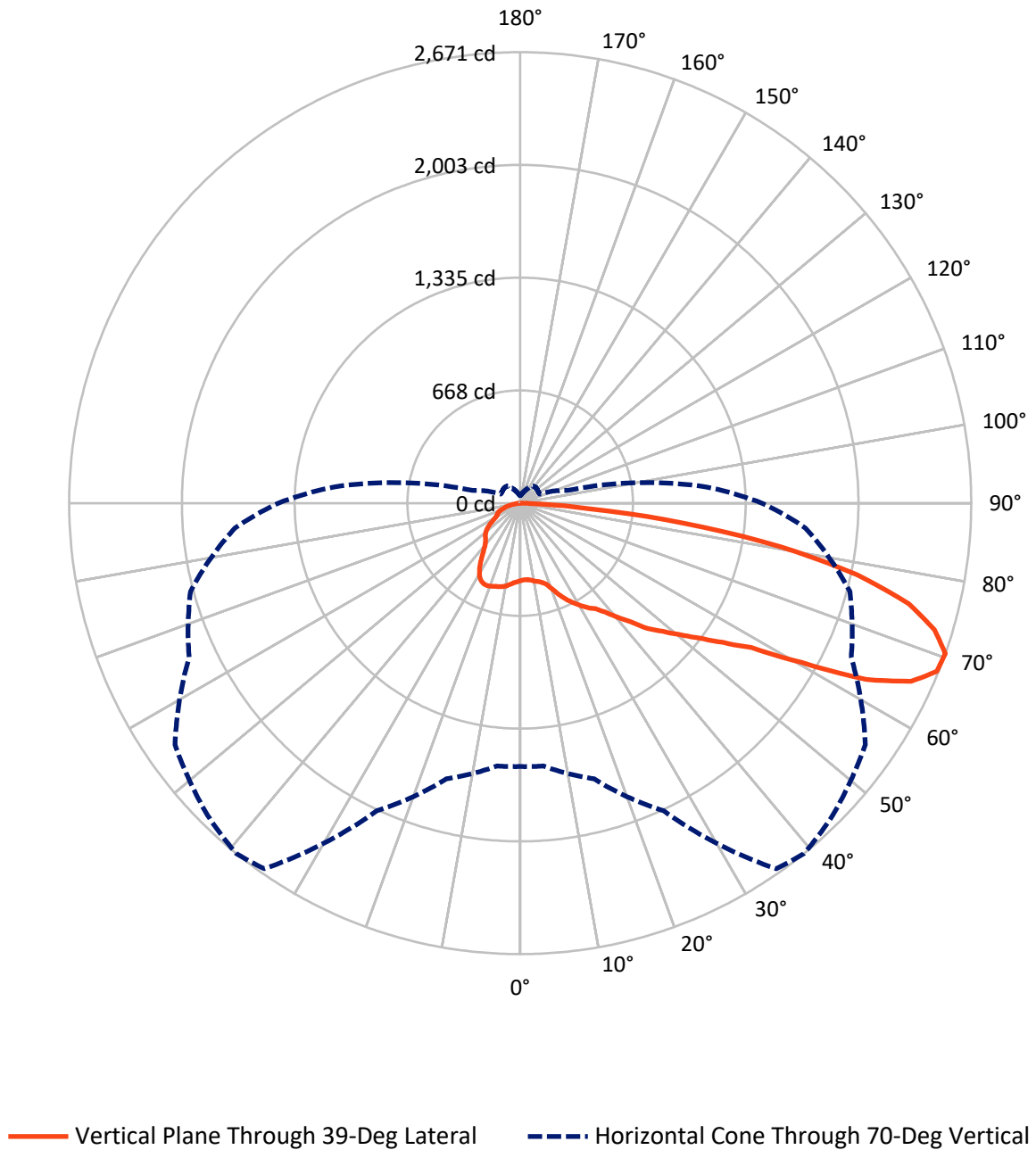
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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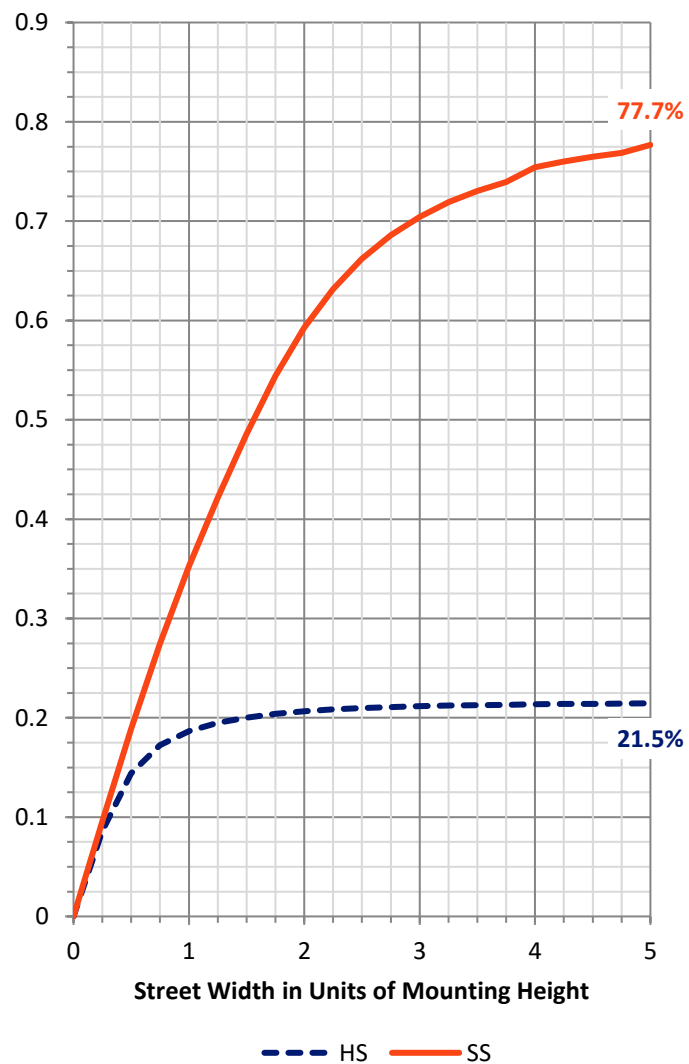
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1036.5	0.0	1036.5
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	3755.6	0.0	3755.6
	% Fixture	78.4	0.0	78.4
Total	Lumens	4792.0	0.0	4792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	0.9
10°-20°	143.5	3.0
20°-30°	272.3	5.7
30°-40°	425.9	8.9
40°-50°	646.7	13.5
50°-60°	947.1	19.8
60°-70°	1218.7	25.4
70°-80°	926.4	19.3
80°-90°	166.5	3.5
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°	4792.0	100.0
0°-180°	4792.0	100.0

Coefficient of Utilization



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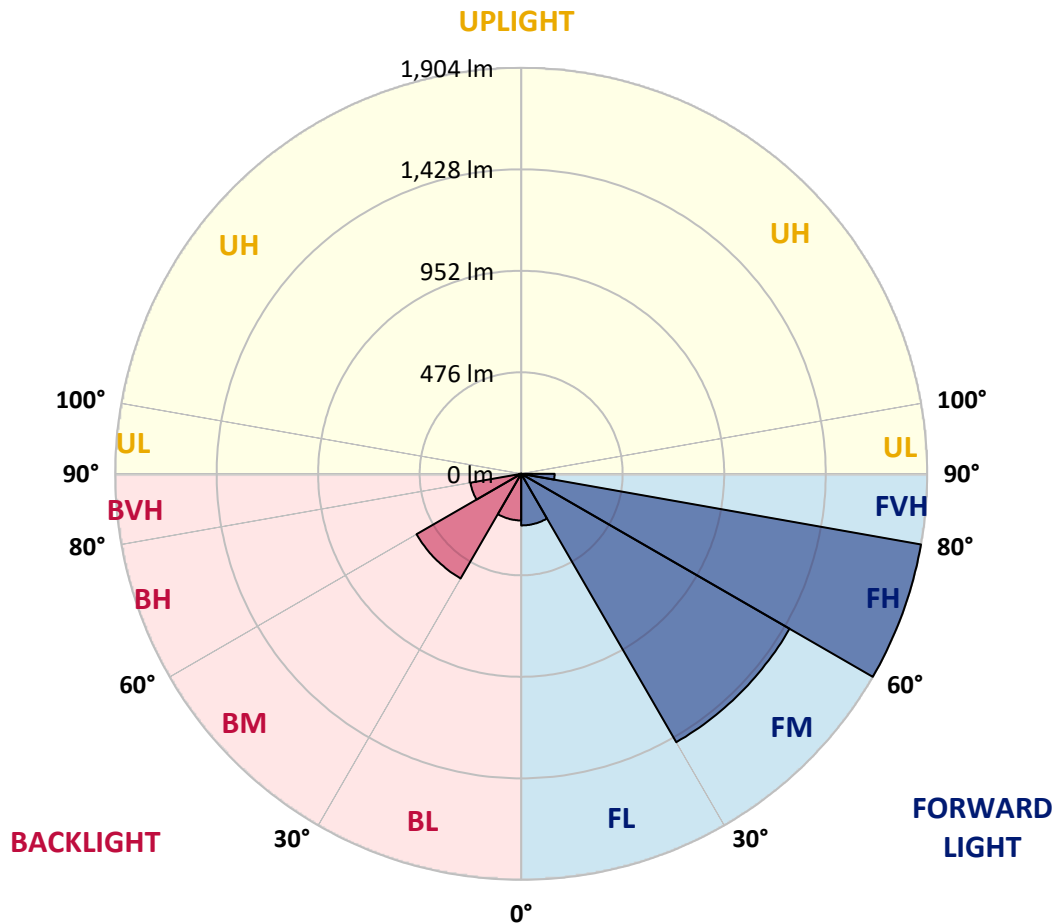
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.1	5.1			
FM	(30°-60°)	1453.1	30.3			
FH	(60°-80°)	1903.6	39.7			G2/5000
FVH	(80°-90°)	156.7	3.3			G2/225
BL	(0°-30°)	218.5	4.6	B1/500		
BM	(30°-60°)	566.6	11.8	B1/1000		
BH	(60°-80°)	241.5	5.0	B1/500		G1/500
BVH	(80°-90°)	9.8	0.2			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5
2.5°	453.6	452.7	452.7	453.6	453.6	454.6	454.6	455.6	456.6	459.5	460.5
5°	451.7	452.7	452.7	453.6	454.6	454.6	454.6	455.6	455.6	458.5	459.5
7.5°	453.6	454.6	456.6	458.5	459.5	460.5	461.5	462.5	462.5	463.5	465.4
10°	456.6	458.5	459.5	463.5	468.4	469.4	471.3	474.3	475.2	476.2	478.2
12.5°	463.5	462.5	464.4	469.4	474.3	476.2	479.2	484.1	488.0	488.0	490.0
15°	469.4	470.3	472.3	477.2	483.1	487.0	491.0	496.8	501.8	504.7	506.7
17.5°	500.8	498.8	501.8	497.8	501.8	504.7	509.6	516.5	524.3	527.3	531.2
20°	547.9	549.9	545.0	545.9	543.0	542.0	540.0	541.0	548.9	557.7	564.6
22.5°	601.9	605.8	603.9	596.0	589.1	588.2	584.2	582.3	584.2	595.0	604.9
25°	650.0	651.0	650.0	640.2	632.3	630.4	630.4	634.3	635.3	639.2	648.1
27.5°	686.4	686.4	683.4	677.5	669.7	666.7	669.7	679.5	688.3	694.2	704.0
30°	714.8	714.8	711.9	708.9	706.0	703.0	705.0	725.6	746.2	760.0	782.6
32.5°	772.8	768.8	762.0	735.4	738.4	738.4	740.4	763.9	799.3	833.6	865.1
35°	830.7	827.7	819.9	801.2	768.8	767.9	778.7	805.2	850.3	913.2	967.2
37.5°	904.3	901.4	892.6	864.1	833.6	817.9	809.1	847.4	911.2	1012.3	1088.0
40°	989.8	988.8	973.1	936.7	897.5	888.6	868.0	894.5	984.9	1129.2	1212.7
42.5°	1054.6	1054.6	1042.8	1004.5	975.0	960.3	947.5	958.3	1072.2	1263.7	1330.5
45°	1099.7	1105.6	1097.8	1079.1	1061.4	1060.5	1049.7	1074.2	1185.2	1405.1	1443.4
47.5°	1155.7	1157.7	1141.0	1135.1	1132.1	1133.1	1148.8	1196.0	1297.1	1531.8	1542.6
50°	1314.8	1312.8	1250.0	1220.5	1204.8	1224.4	1250.9	1315.8	1430.6	1645.7	1628.0
52.5°	1512.1	1483.7	1378.6	1323.6	1311.8	1325.6	1359.0	1430.6	1585.8	1745.8	1695.8
55°	1717.4	1696.7	1627.0	1505.3	1437.5	1456.2	1473.8	1540.6	1730.1	1835.2	1756.6
57.5°	1849.9	1851.9	1847.9	1786.1	1635.9	1613.3	1614.3	1661.4	1850.9	1931.4	1808.7
60°	1958.9	1976.6	2024.7	2010.9	1983.4	1918.6	1798.9	1788.1	1962.8	1999.2	1847.9
62.5°	2016.8	2025.7	2104.2	2173.0	2292.7	2300.6	2162.2	1931.4	2067.9	2046.3	1866.6
65°	1962.8	1968.7	2074.8	2214.2	2501.9	2544.1	2496.0	2158.2	2147.4	2069.9	1857.8
67.5°	1785.1	1794.9	1905.9	2170.0	2628.6	2660.0	2619.7	2450.8	2179.8	2060.0	1805.7
70°	1560.2	1562.2	1689.9	2010.0	2643.3	2670.8	2616.8	2495.0	2163.1	2020.8	1695.8
72.5°	1262.7	1275.5	1407.1	1737.0	2538.2	2564.7	2532.3	2438.1	2124.8	1940.2	1492.5
75°	970.1	959.3	1085.0	1381.5	2273.1	2376.2	2363.4	2333.0	2023.7	1710.5	1160.6
77.5°	603.9	620.6	742.3	1037.9	1870.5	2038.4	2120.9	2154.3	1755.6	1315.8	666.7
80°	279.8	287.7	423.2	694.2	1384.5	1566.1	1724.2	1722.3	1297.1	782.6	196.4
82.5°	88.4	92.3	169.9	392.8	874.9	984.9	1104.6	1002.5	450.7	96.2	31.4
85°	37.3	40.3	69.7	147.3	337.8	405.5	470.3	465.4	49.1	25.5	17.7
87.5°	20.6	21.6	26.5	39.3	52.0	55.0	60.9	54.0	10.8	10.8	5.9
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°	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5	458.5
2.5°	460.5	460.5	462.5	464.4	464.4	465.4	465.4	465.4	465.4	463.5	462.5
5°	460.5	461.5	464.4	467.4	470.3	471.3	473.3	473.3	474.3	475.2	474.3
7.5°	467.4	469.4	473.3	478.2	481.1	483.1	485.1	486.0	486.0	487.0	487.0
10°	479.2	481.1	488.0	492.9	495.9	497.8	496.8	496.8	497.8	496.8	496.8
12.5°	491.0	493.9	501.8	508.6	508.6	505.7	503.7	501.8	500.8	499.8	498.8
15°	508.6	510.6	521.4	525.3	521.4	514.5	507.6	500.8	495.9	492.9	492.9
17.5°	535.1	540.0	551.8	547.9	538.1	523.4	509.6	494.9	483.1	476.2	476.2
20°	569.5	575.4	586.2	577.4	558.7	536.1	511.6	485.1	461.5	447.7	444.8
22.5°	610.7	619.6	623.5	605.8	578.3	547.9	511.6	475.2	437.9	406.5	399.6
25°	660.8	667.7	657.9	627.4	591.1	549.9	506.7	459.5	403.6	360.4	355.4
27.5°	716.8	716.8	690.3	644.1	594.1	542.0	492.9	430.1	360.4	328.9	325.0
30°	785.5	770.8	718.8	653.9	586.2	526.3	465.4	383.9	328.0	300.5	297.5
32.5°	859.2	828.7	746.2	656.9	570.5	498.8	423.2	347.6	304.4	275.9	272.0
35°	948.5	900.4	774.7	650.0	541.0	459.5	373.1	318.1	279.8	248.4	244.5
37.5°	1060.5	991.7	806.1	635.3	503.7	409.5	333.8	289.7	256.3	221.9	216.0
40°	1176.3	1096.8	853.3	615.7	460.5	364.3	302.4	270.0	238.6	202.3	194.4
42.5°	1291.2	1196.0	913.2	598.0	422.2	333.8	289.7	267.1	232.7	194.4	187.5
45°	1392.3	1283.4	969.1	577.4	380.0	306.4	283.8	264.1	229.8	190.5	182.6
47.5°	1473.8	1363.9	1023.1	559.7	340.7	287.7	277.9	256.3	221.9	184.6	176.7
50°	1550.4	1429.7	1060.5	545.0	305.4	273.0	265.1	238.6	204.2	168.9	164.0
52.5°	1613.3	1481.7	1084.0	550.8	271.0	257.3	244.5	215.0	180.7	154.2	147.3
55°	1660.4	1511.2	1088.0	541.0	240.6	232.7	218.0	192.5	167.9	145.3	139.4
57.5°	1699.7	1524.9	1073.2	456.6	214.1	203.3	191.5	174.8	151.2	129.6	125.7
60°	1712.4	1523.9	1035.9	324.0	184.6	167.9	171.8	159.1	134.5	113.9	110.0
62.5°	1705.6	1500.4	939.7	225.8	157.1	152.2	158.1	145.3	120.8	102.1	99.2
65°	1669.2	1441.4	794.4	157.1	142.4	145.3	151.2	137.5	111.9	94.3	92.3
67.5°	1585.8	1327.5	581.3	135.5	135.5	140.4	143.4	125.7	77.6	55.0	51.1
70°	1432.6	1104.6	290.6	126.7	127.6	131.6	124.7	90.3	65.8	47.1	45.2
72.5°	1168.5	778.7	103.1	116.8	117.8	112.9	101.1	79.5	57.0	41.2	38.3
75°	759.0	381.0	89.4	109.0	102.1	95.2	89.4	66.8	48.1	29.5	27.5
77.5°	330.9	87.4	83.5	94.3	87.4	84.4	63.8	49.1	32.4	20.6	19.6
80°	56.0	52.0	78.6	69.7	69.7	52.0	39.3	29.5	19.6	12.8	11.8
82.5°	26.5	37.3	60.9	45.2	38.3	25.5	22.6	20.6	14.7	9.8	9.8
85°	19.6	29.5	23.6	20.6	14.7	14.7	16.7	11.8	9.8	4.9	4.9
87.5°	5.9	4.9	4.9	3.9	4.9	2.0	2.0	1.0	0.0	0.0	0.0
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)