

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: P510946

Luminaire Tested: **USSL-P-C016-D-U-T3-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C016-D-U-T3-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 880mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6605 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

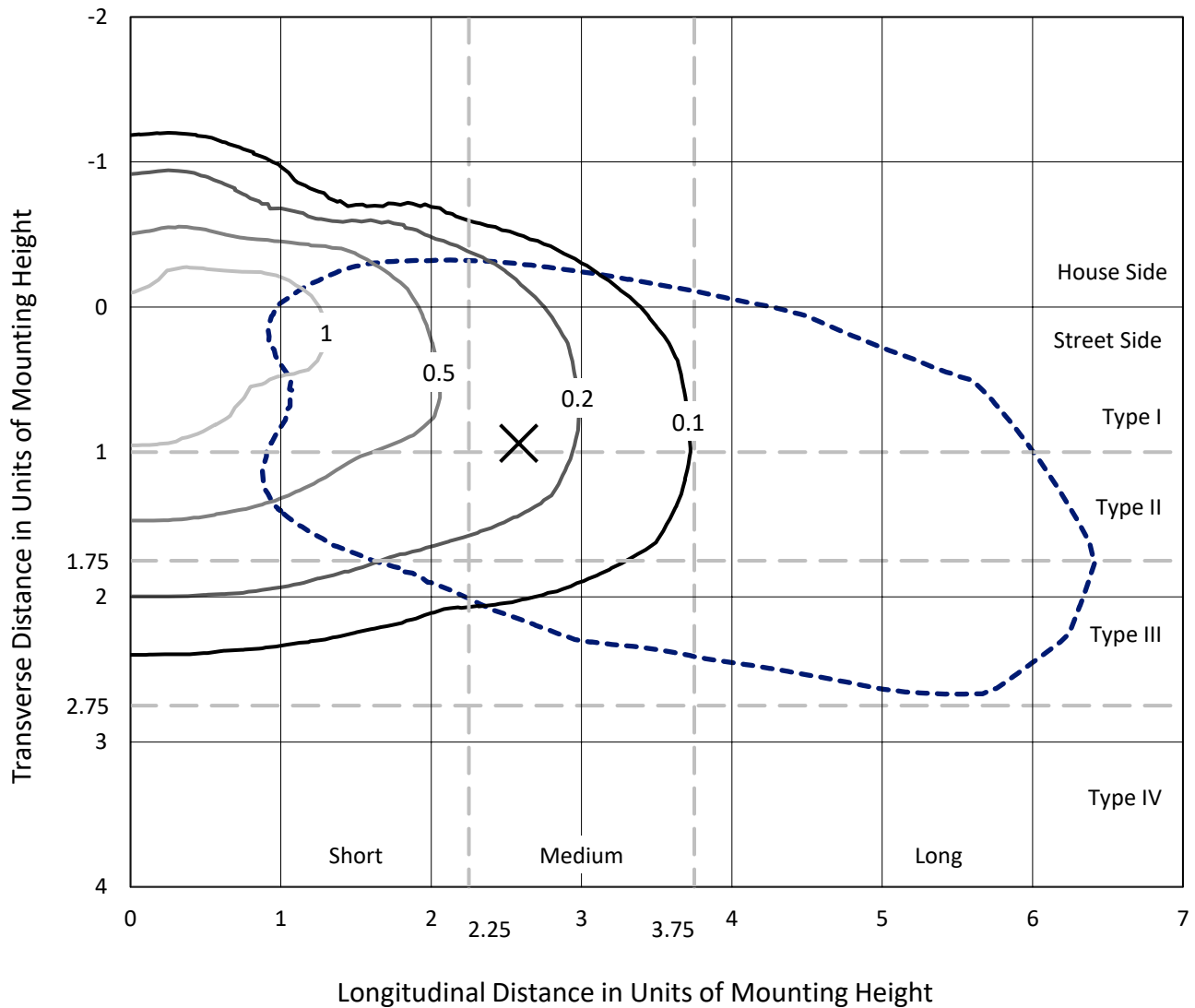
Input Watts (W): 49.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

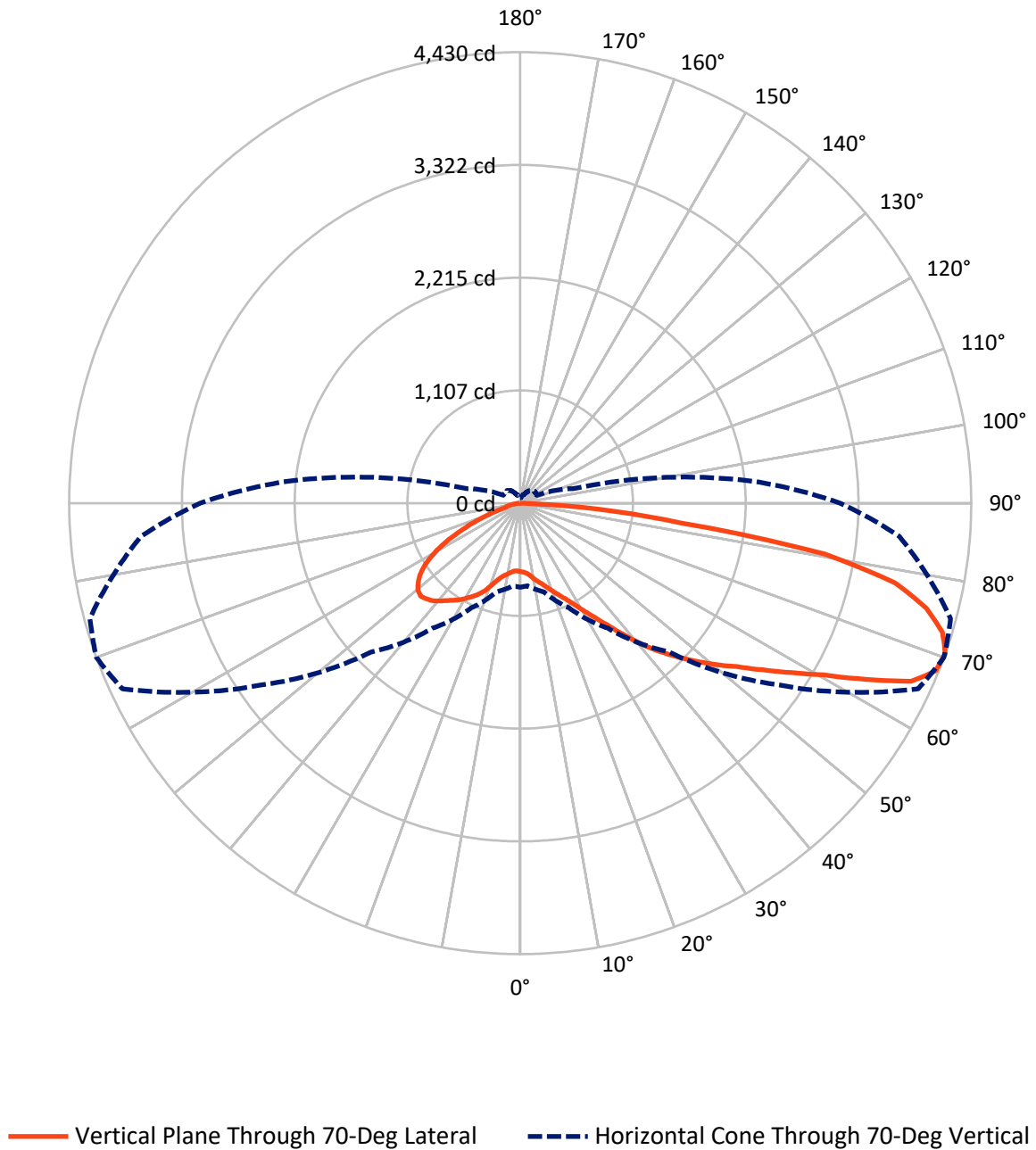
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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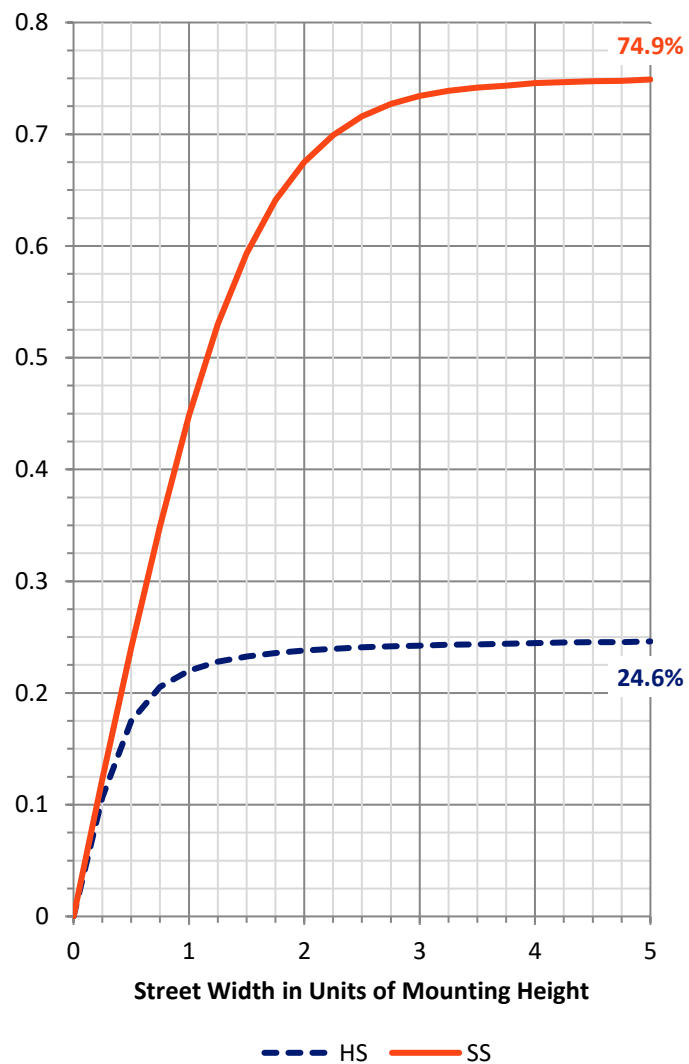
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1647.8	0.0	1647.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	4957.2	0.0	4957.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	6605.0	0.0	6605.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	1.0
10°-20°	216.0	3.3
20°-30°	405.8	6.1
30°-40°	678.8	10.3
40°-50°	1036.7	15.7
50°-60°	1368.3	20.7
60°-70°	1548.2	23.4
70°-80°	1088.5	16.5
80°-90°	196.8	3.0
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°	6605.0	100.0
0°-180°	6605.0	100.0

Coefficient of Utilization



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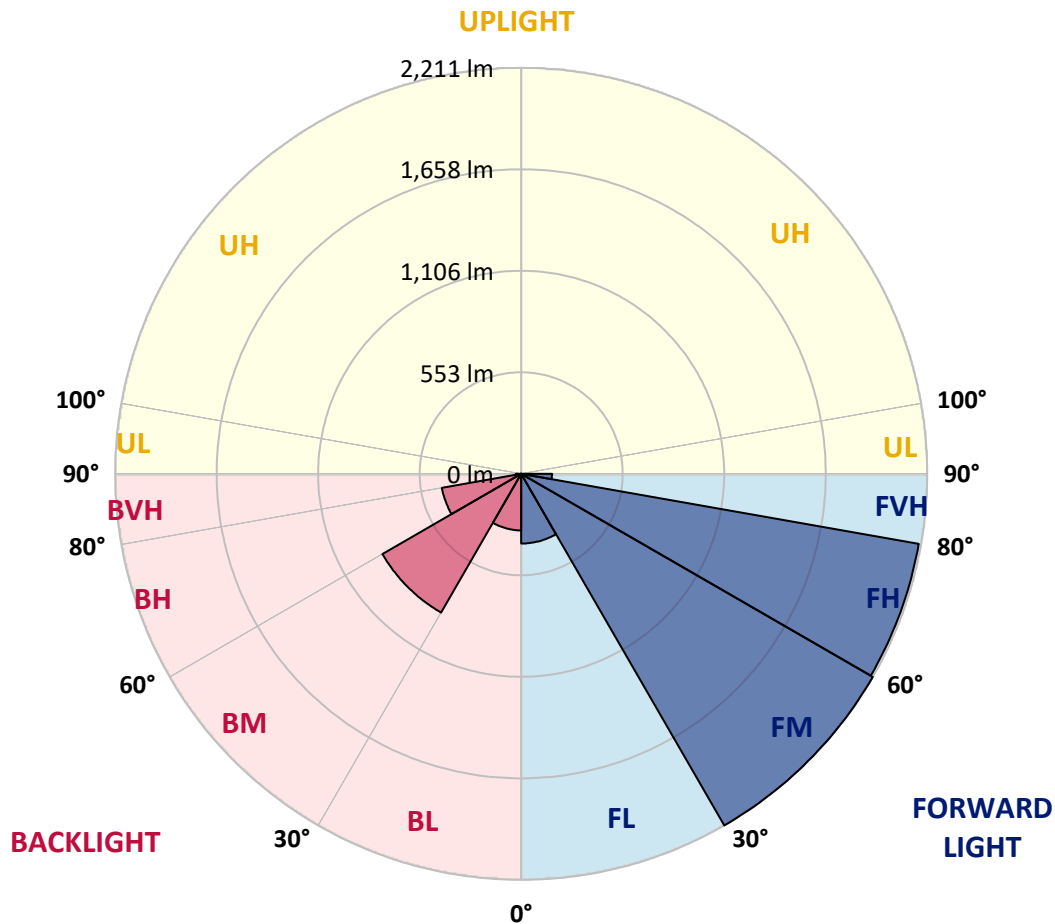
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.6	5.7			
FM	(30°-60°)	2211.2	33.5			
FH	(60°-80°)	2198.4	33.3			G2/5000
FVH	(80°-90°)	167.9	2.5			G2/225
BL	(0°-30°)	308.1	4.7	B1/500		
BM	(30°-60°)	872.6	13.2	B1/1000		
BH	(60°-80°)	438.3	6.6	B1/500		G1/500
BVH	(80°-90°)	28.9	0.4			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°	65°	70°	75°	85°
0°	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7
2.5°	687.9	692.0	690.6	692.0	692.0	686.5	683.7	678.2	678.2	678.2	675.5
5°	715.5	718.3	714.1	715.5	715.5	710.0	703.1	694.8	692.0	686.5	682.4
7.5°	733.5	739.0	740.4	741.8	741.8	740.4	734.9	725.2	718.3	714.1	704.5
10°	761.1	761.1	765.2	769.4	777.7	777.7	769.4	762.5	758.3	751.4	734.9
12.5°	774.9	777.7	781.8	788.7	798.4	806.7	802.5	797.0	791.5	786.0	766.6
15°	784.6	784.6	791.5	805.3	820.5	827.4	830.2	830.2	827.4	821.9	801.2
17.5°	801.2	801.2	809.4	824.6	837.1	850.9	866.1	871.6	874.4	866.1	848.1
20°	830.2	832.9	837.1	846.7	857.8	879.9	907.5	924.1	925.5	919.9	904.7
22.5°	859.2	857.8	860.5	873.0	890.9	918.6	953.1	979.3	982.1	982.1	969.7
25°	899.2	895.1	893.7	904.7	928.2	961.4	1001.4	1034.6	1045.6	1048.4	1060.8
27.5°	939.3	944.8	939.3	949.0	968.3	1008.3	1060.8	1109.2	1124.4	1131.3	1185.2
30°	1045.6	1051.2	1030.4	1007.0	1019.4	1065.0	1127.1	1200.3	1221.1	1248.7	1334.3
32.5°	1192.1	1190.7	1190.7	1134.0	1085.7	1132.7	1197.6	1287.4	1331.6	1399.3	1501.5
35°	1324.7	1324.7	1320.5	1277.7	1216.9	1197.6	1277.7	1391.0	1465.6	1598.2	1675.5
37.5°	1440.7	1444.8	1450.4	1403.4	1366.1	1315.0	1367.5	1509.8	1627.2	1794.3	1864.8
40°	1542.9	1542.9	1563.6	1531.9	1505.6	1458.6	1462.8	1636.8	1810.9	1989.1	2040.2
42.5°	1623.0	1632.7	1661.7	1636.8	1642.4	1616.1	1580.2	1747.3	1982.2	2157.6	2204.6
45°	1687.9	1693.5	1719.7	1733.5	1770.8	1775.0	1736.3	1879.9	2150.7	2324.7	2353.7
47.5°	1734.9	1736.3	1759.8	1810.9	1885.5	1910.3	1895.1	2015.3	2317.8	2490.5	2496.0
50°	1757.0	1761.2	1809.5	1884.1	1998.7	2055.4	2083.0	2193.5	2493.2	2643.8	2643.8
52.5°	1776.3	1787.4	1849.6	1942.1	2096.8	2192.1	2236.3	2425.6	2667.3	2799.9	2794.4
55°	1788.8	1804.0	1864.8	1978.0	2164.5	2312.3	2382.7	2668.7	2889.7	2982.2	2939.4
57.5°	1711.4	1730.8	1838.5	1980.8	2210.1	2400.7	2543.0	2914.5	3139.7	3189.4	3085.8
60°	1583.0	1599.5	1722.5	1947.6	2200.4	2479.4	2718.4	3199.1	3424.2	3442.2	3241.9
62.5°	1450.4	1468.3	1584.3	1844.0	2135.5	2490.5	2880.0	3591.4	3811.0	3761.3	3415.9
65°	1284.6	1294.3	1414.4	1656.2	2007.0	2446.3	3005.7	3949.1	4219.9	4161.8	3587.2
67.5°	1087.1	1094.0	1200.3	1426.9	1781.9	2312.3	3096.9	4221.2	4399.4	4329.0	3722.6
70°	826.0	815.0	902.0	1134.0	1498.7	2066.4	3117.6	4312.4	4429.8	4375.9	3737.8
72.5°	448.9	448.9	565.0	752.8	1085.7	1665.8	3038.9	4268.2	4337.3	4268.2	3598.3
75°	81.5	88.4	134.0	262.4	540.1	1116.1	2654.9	4014.0	4120.4	4015.4	3317.9
77.5°	51.1	52.5	69.1	103.6	167.1	417.2	1736.3	3612.1	3765.4	3664.6	2874.5
80°	37.3	37.3	49.7	74.6	118.8	164.4	652.0	2795.7	3036.1	3008.5	2163.1
82.5°	26.2	27.6	35.9	53.9	81.5	114.6	192.0	1302.6	1587.1	1625.8	1038.7
85°	16.6	18.0	24.9	35.9	53.9	67.7	77.4	547.0	776.3	805.3	448.9
87.5°	8.3	9.7	15.2	23.5	33.2	40.1	37.3	34.5	35.9	40.1	20.7
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°	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7
2.5°	672.7	671.3	668.5	665.8	663.0	658.9	654.7	649.2	647.8	645.1	643.7
5°	679.6	675.5	669.9	664.4	657.5	649.2	642.3	636.8	634.0	632.6	634.0
7.5°	700.3	693.4	685.1	676.8	664.4	653.4	642.3	635.4	628.5	625.7	625.7
10°	729.3	721.0	708.6	693.4	676.8	663.0	649.2	636.8	627.1	623.0	623.0
12.5°	759.7	750.0	734.9	714.1	694.8	674.1	657.5	639.5	625.7	617.4	617.4
15°	794.2	784.6	762.5	743.1	722.4	698.9	672.7	645.1	623.0	607.8	606.4
17.5°	837.1	828.8	808.1	790.1	763.9	730.7	689.3	643.7	607.8	584.3	582.9
20°	899.2	889.6	871.6	848.1	806.7	754.2	693.4	635.4	587.1	555.3	553.9
22.5°	971.1	978.0	957.2	899.2	835.7	768.0	694.8	621.6	556.7	520.7	518.0
25°	1076.0	1084.3	1024.9	939.3	856.4	763.9	681.0	596.7	515.2	476.5	473.8
27.5°	1200.3	1176.9	1085.7	971.1	857.8	754.2	658.9	548.4	469.6	426.8	421.3
30°	1331.6	1294.3	1152.0	993.2	845.4	733.5	606.4	493.1	435.1	397.8	390.9
32.5°	1473.8	1421.4	1223.8	1011.1	827.4	692.0	548.4	472.4	418.5	374.3	370.2
35°	1643.7	1556.7	1297.0	1016.6	798.4	635.4	500.0	460.0	404.7	356.4	349.5
37.5°	1806.7	1699.0	1379.9	1015.3	758.3	559.4	476.5	436.5	385.4	348.1	345.3
40°	1973.9	1845.4	1476.6	1012.5	707.2	491.7	450.3	410.2	367.4	339.8	335.7
42.5°	2127.2	1979.4	1574.7	1002.8	629.9	460.0	424.1	390.9	353.6	313.6	306.6
45°	2262.6	2105.1	1647.9	984.9	547.0	428.2	393.7	366.0	334.3	291.5	284.5
47.5°	2395.2	2217.0	1726.6	947.6	465.5	399.2	361.9	338.4	306.6	268.0	259.7
50°	2512.6	2316.4	1770.8	868.8	413.0	368.8	326.0	302.5	265.2	227.9	225.2
52.5°	2636.9	2457.3	1812.3	732.1	357.8	332.9	290.1	259.7	227.9	208.6	201.7
55°	2765.4	2601.0	1852.3	562.2	310.8	302.5	251.4	215.5	182.3	172.7	176.8
57.5°	2891.1	2708.7	1835.7	395.1	281.8	263.8	211.3	174.0	147.8	149.2	157.5
60°	3029.2	2793.0	1719.7	269.4	255.5	215.5	176.8	149.2	129.8	122.9	121.6
62.5°	3156.3	2844.1	1471.1	229.3	226.5	189.2	160.2	135.4	120.2	106.4	102.2
65°	3253.0	2822.0	1154.8	208.6	204.4	180.9	153.3	128.5	111.9	91.2	87.0
67.5°	3262.6	2665.9	850.9	190.6	190.6	180.9	153.3	121.6	81.5	70.4	70.4
70°	3143.8	2359.3	555.3	182.3	183.7	178.2	147.8	98.1	76.0	53.9	51.1
72.5°	2921.4	2019.5	274.9	165.8	178.2	157.5	134.0	100.8	71.8	49.7	47.0
75°	2548.5	1584.3	142.3	151.9	147.8	138.1	134.0	102.2	67.7	40.1	35.9
77.5°	2074.7	953.1	118.8	136.7	118.8	128.5	120.2	96.7	63.5	38.7	35.9
80°	1143.7	374.3	95.3	92.5	98.1	102.2	110.5	92.5	69.1	44.2	41.4
82.5°	461.4	82.9	52.5	62.2	67.7	85.6	99.5	89.8	66.3	44.2	42.8
85°	120.2	24.9	23.5	33.2	49.7	70.4	84.3	69.1	48.3	38.7	37.3
87.5°	8.3	8.3	11.1	16.6	16.6	8.3	1.4	1.4	1.4	1.4	2.8
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)