

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: P510959

Luminaire Tested: **USSL-P-C016-D-U-T4-7050-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-7)
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-T4-7050-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 880mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6441 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

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

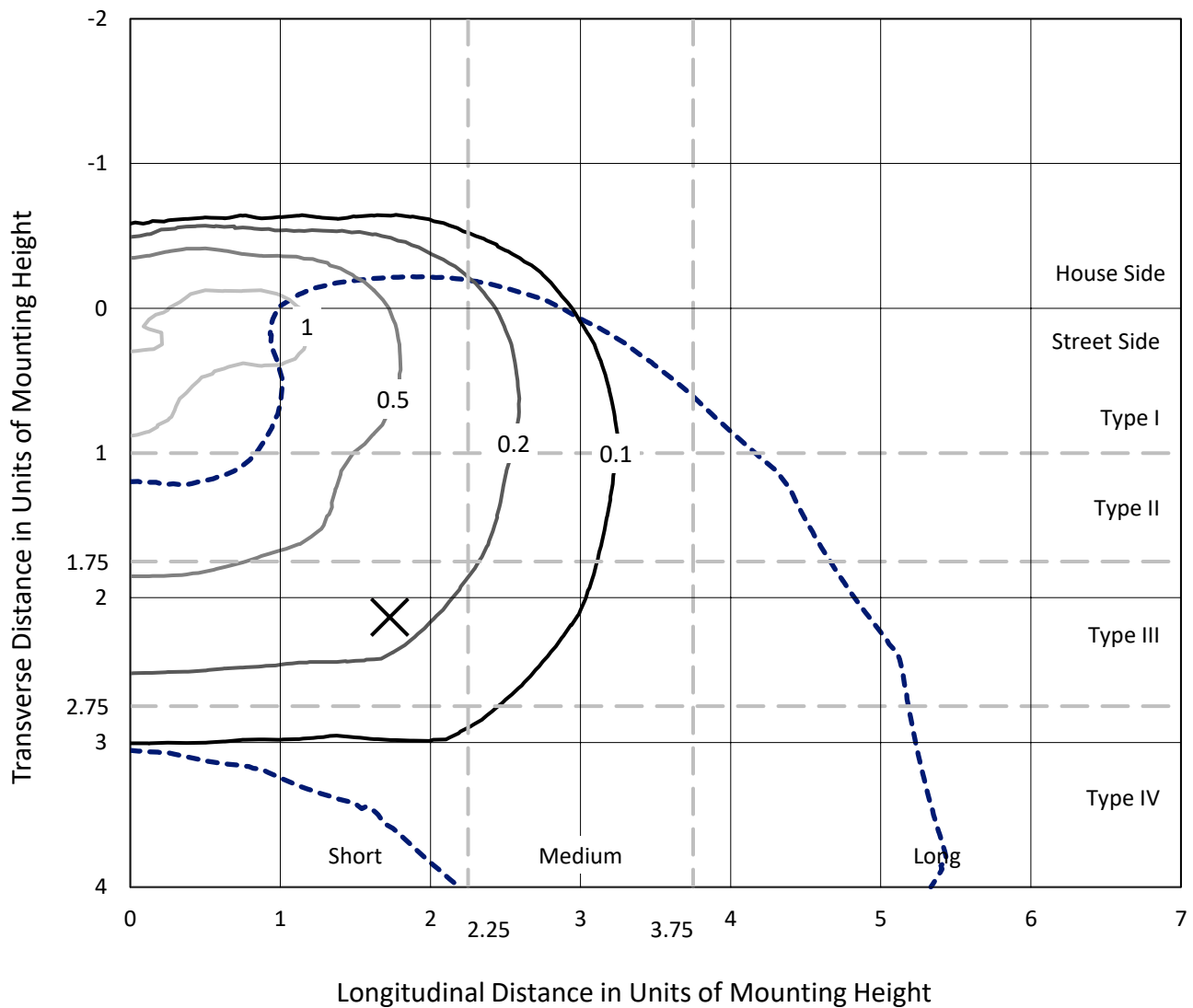


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

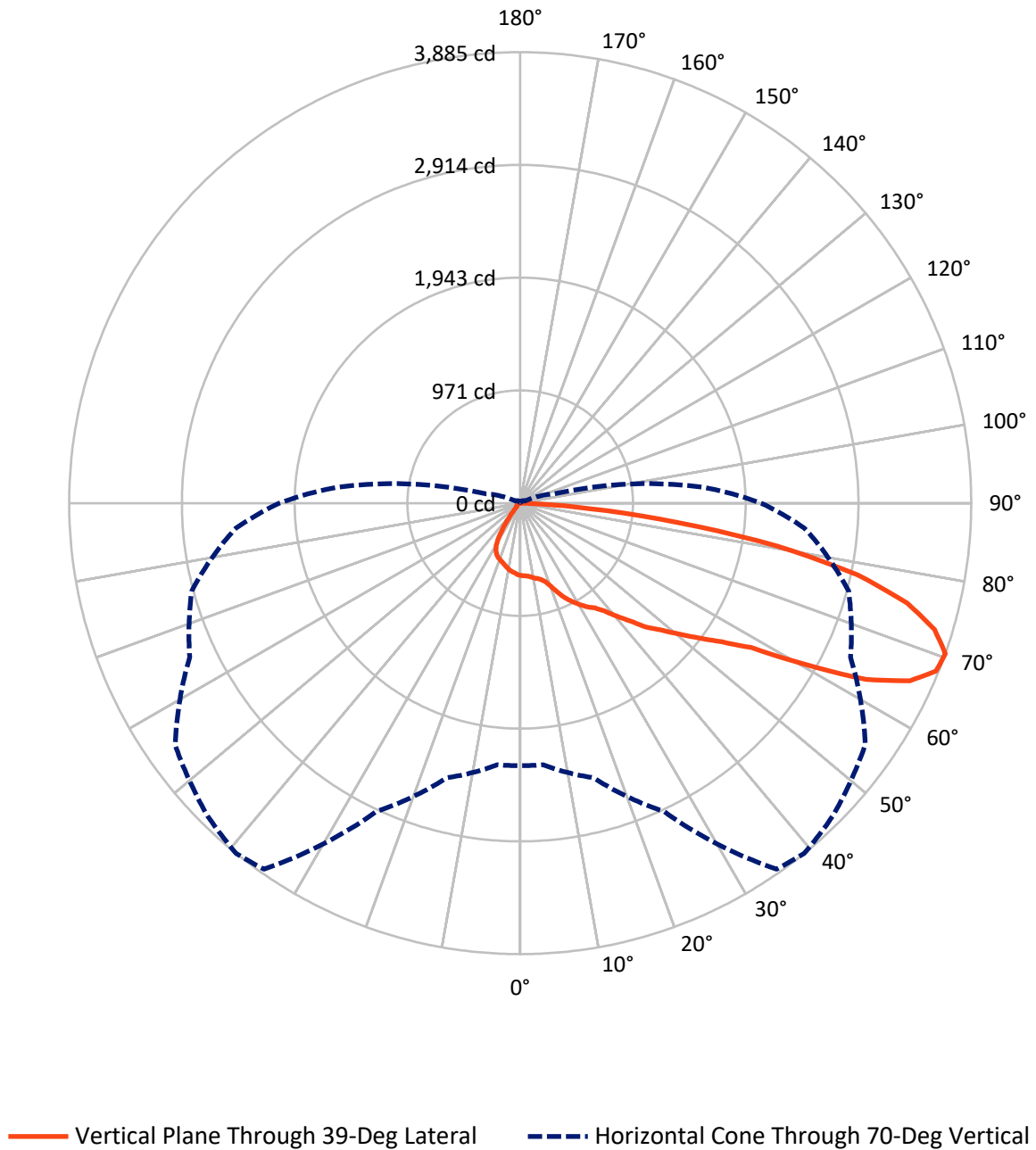


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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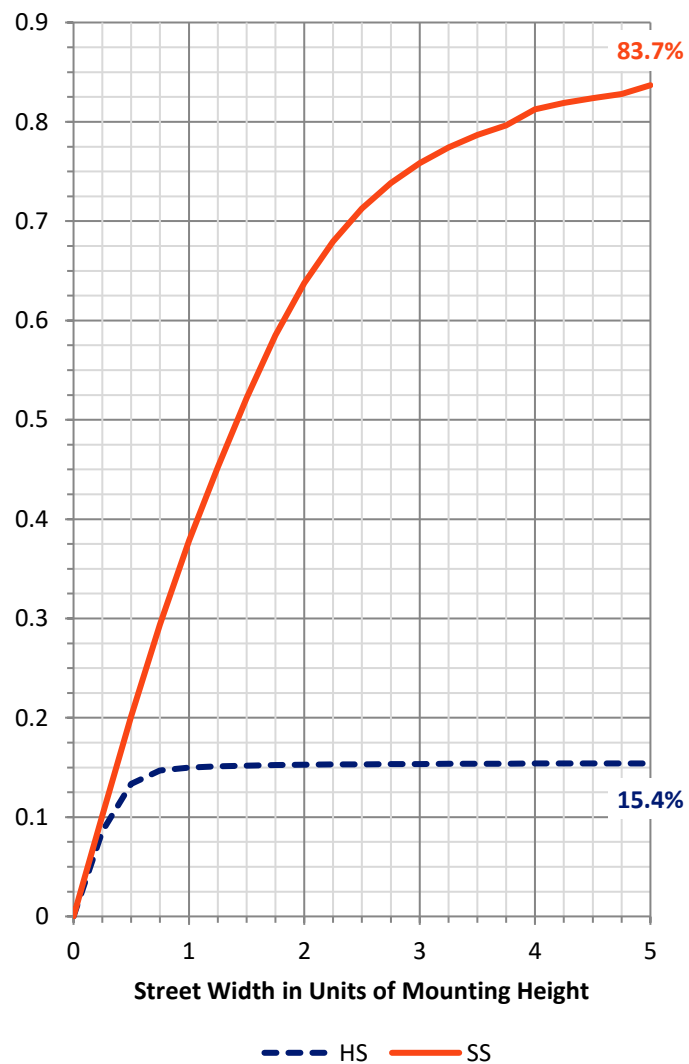
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1002.2	0.0	1002.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	5438.8	0.0	5438.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	6441.0	0.0	6441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	0.9
10°-20°	181.1	2.8
20°-30°	339.4	5.3
30°-40°	535.8	8.3
40°-50°	835.0	13.0
50°-60°	1263.4	19.6
60°-70°	1692.0	26.3
70°-80°	1302.9	20.2
80°-90°	232.2	3.6
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°	6441.0	100.0
0°-180°	6441.0	100.0

Coefficient of Utilization



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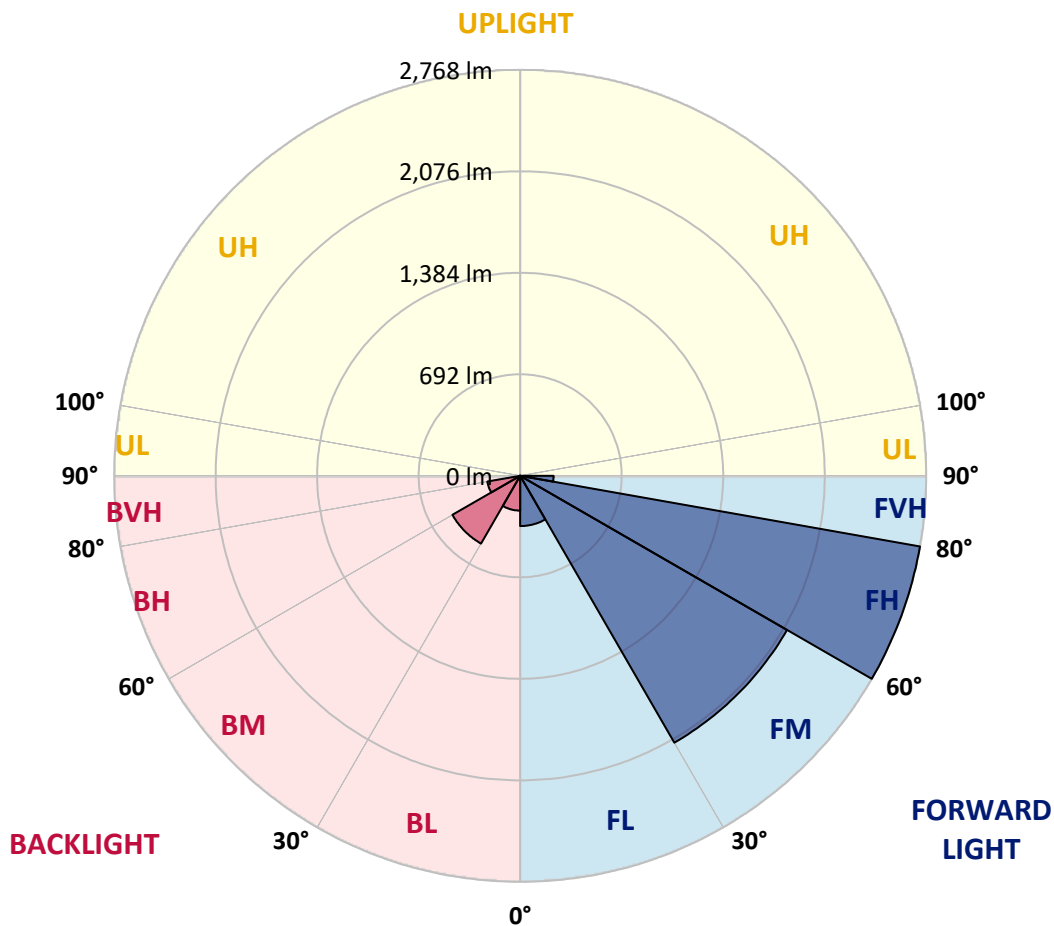
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	342.6	5.3			
FM	(30°-60°)	2100.6	32.6			
FH	(60°-80°)	2767.8	43.0			G2/5000
FVH	(80°-90°)	227.8	3.5			G3/500
BL	(0°-30°)	237.1	3.7	B1/500		
BM	(30°-60°)	533.6	8.3	B1/1000		
BH	(60°-80°)	227.1	3.5	B1/500		G1/500
BVH	(80°-90°)	4.5	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	623.2	623.2	623.2	623.2	623.2	623.2	623.2	623.2	623.2	623.2	623.2
2.5°	623.2	626.1	626.1	626.1	626.1	626.1	626.1	624.6	626.1	628.9	626.1
5°	626.1	627.5	627.5	630.4	630.4	630.4	630.4	628.9	630.4	630.4	627.5
7.5°	633.2	633.2	634.7	637.5	640.4	640.4	640.4	641.8	641.8	639.0	637.5
10°	640.4	640.4	641.8	647.6	653.3	656.2	657.6	660.5	661.9	659.0	654.7
12.5°	649.0	649.0	650.4	656.2	663.3	666.2	670.5	676.2	679.1	677.7	671.9
15°	661.9	661.9	664.8	670.5	681.9	683.4	689.1	697.7	702.0	702.0	696.3
17.5°	706.3	709.2	706.3	704.9	710.6	713.5	717.8	727.8	736.4	736.4	735.0
20°	792.3	788.0	783.7	777.9	769.3	769.3	765.0	766.5	773.6	785.1	783.7
22.5°	869.6	871.1	866.8	856.7	842.4	838.1	829.5	826.6	826.6	838.1	841.0
25°	932.7	937.0	935.5	921.2	905.4	906.9	905.4	902.6	899.7	901.1	906.9
27.5°	984.2	985.7	981.4	972.8	962.8	962.8	962.8	968.5	982.8	982.8	984.2
30°	1025.8	1028.7	1024.4	1021.5	1017.2	1014.3	1014.3	1035.8	1065.9	1087.4	1100.3
32.5°	1113.2	1103.2	1090.3	1061.6	1065.9	1065.9	1068.8	1097.4	1149.0	1189.1	1230.7
35°	1192.0	1193.4	1174.8	1154.7	1108.9	1107.5	1123.2	1160.5	1226.4	1306.6	1379.7
37.5°	1295.1	1295.1	1279.4	1243.6	1200.6	1177.7	1170.5	1222.1	1312.3	1449.9	1543.0
40°	1428.4	1428.4	1401.1	1351.0	1295.1	1279.4	1250.7	1290.8	1414.0	1633.2	1722.1
42.5°	1521.5	1520.1	1501.4	1449.9	1404.0	1385.4	1372.5	1385.4	1554.4	1830.9	1916.9
45°	1587.4	1596.0	1584.5	1561.6	1540.1	1522.9	1518.6	1547.3	1709.2	2033.0	2070.2
47.5°	1669.1	1676.2	1647.6	1636.1	1637.5	1633.2	1663.3	1740.7	1876.8	2206.3	2213.5
50°	1905.4	1898.3	1803.7	1757.9	1752.2	1770.8	1825.2	1898.3	2067.3	2366.8	2341.0
52.5°	2213.5	2161.9	1998.6	1919.8	1901.1	1929.8	1968.5	2077.4	2308.0	2524.4	2441.3
55°	2505.7	2477.1	2362.5	2160.5	2088.8	2107.5	2141.8	2242.1	2512.9	2654.7	2534.4
57.5°	2714.9	2706.3	2693.4	2600.3	2366.8	2345.3	2349.6	2416.9	2680.5	2800.9	2613.2
60°	2856.7	2878.2	2947.0	2935.5	2902.6	2818.1	2624.6	2601.7	2848.1	2895.4	2673.4
62.5°	2935.5	2947.0	3064.5	3161.9	3341.0	3345.3	3163.3	2812.3	2994.3	2968.5	2697.7
65°	2848.1	2871.1	3020.1	3220.6	3633.2	3689.1	3627.5	3166.2	3121.8	3004.3	2687.7
67.5°	2614.6	2618.9	2790.8	3160.5	3833.8	3862.5	3809.5	3567.3	3164.8	2987.1	2607.5
70°	2260.7	2263.6	2449.9	2929.8	3849.6	3885.4	3809.5	3628.9	3140.4	2929.8	2457.0
72.5°	1829.5	1862.5	2040.1	2545.8	3707.7	3733.5	3687.7	3544.4	3081.7	2826.7	2150.4
75°	1381.1	1392.6	1580.2	1995.7	3316.6	3444.1	3461.3	3392.6	2949.9	2472.8	1656.2
77.5°	879.7	892.6	1075.9	1518.6	2726.4	2971.3	3114.6	3106.0	2531.5	1938.4	984.2
80°	412.6	416.9	613.2	1033.0	2015.8	2243.6	2484.2	2508.6	1926.9	1075.9	286.5
82.5°	116.0	128.9	235.0	575.9	1283.7	1372.5	1623.2	1522.9	626.1	127.5	41.5
85°	51.6	54.4	96.0	213.5	500.0	596.0	697.7	661.9	73.1	35.8	24.4
87.5°	30.1	31.5	38.7	55.9	77.4	78.8	98.9	87.4	17.2	15.8	8.6
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°	623.2	623.2	623.2	623.2	623.2	623.2	623.2	623.2	623.2	623.2	623.2
2.5°	626.1	624.6	624.6	623.2	620.3	617.5	614.6	613.2	610.3	610.3	607.5
5°	626.1	624.6	621.8	618.9	613.2	606.0	598.9	594.6	591.7	588.8	591.7
7.5°	636.1	633.2	627.5	620.3	610.3	598.9	588.8	580.2	574.5	573.1	573.1
10°	651.9	649.0	639.0	626.1	608.9	591.7	573.1	560.2	551.6	548.7	545.8
12.5°	667.6	664.8	651.9	631.8	607.5	578.8	553.0	535.8	521.5	518.6	514.3
15°	693.4	687.7	670.5	641.8	606.0	567.3	531.5	505.7	487.1	479.9	475.6
17.5°	730.7	724.9	703.4	663.3	614.6	560.2	510.0	468.5	439.8	426.9	424.1
20°	782.2	775.1	745.0	692.0	628.9	558.7	490.0	429.8	384.0	361.0	355.3
22.5°	842.4	833.8	796.6	724.9	644.7	557.3	469.9	394.0	330.9	293.7	276.5
25°	908.3	905.4	842.4	752.1	653.3	547.3	445.6	358.2	270.8	210.6	202.0
27.5°	991.4	975.6	885.4	770.8	650.4	525.8	415.5	300.9	187.7	144.7	137.5
30°	1093.1	1054.4	931.2	786.5	637.5	498.6	365.3	209.2	116.0	91.7	88.8
32.5°	1204.9	1141.8	974.2	792.3	616.0	458.5	273.6	123.2	68.8	53.0	53.0
35°	1333.8	1243.6	1020.1	786.5	577.4	385.4	169.1	65.9	37.2	33.0	33.0
37.5°	1488.5	1376.8	1067.3	767.9	524.4	288.0	96.0	33.0	30.1	28.7	28.7
40°	1660.5	1535.8	1133.2	736.4	451.3	190.5	43.0	28.7	28.7	27.2	27.2
42.5°	1826.6	1681.9	1212.0	696.3	368.2	108.9	33.0	30.1	25.8	24.4	24.4
45°	1977.1	1808.0	1279.4	647.6	273.6	53.0	34.4	25.8	22.9	22.9	22.9
47.5°	2101.7	1925.5	1328.1	597.4	183.4	37.2	35.8	24.4	21.5	20.1	20.1
50°	2213.5	2008.6	1355.3	533.0	98.9	37.2	31.5	24.4	20.1	20.1	20.1
52.5°	2306.6	2081.7	1361.0	448.4	48.7	37.2	33.0	24.4	18.6	21.5	21.5
55°	2381.1	2123.2	1336.7	353.9	41.5	34.4	33.0	22.9	18.6	22.9	24.4
57.5°	2439.8	2140.4	1285.1	243.6	41.5	33.0	33.0	21.5	17.2	18.6	18.6
60°	2465.6	2141.8	1210.6	136.1	40.1	33.0	31.5	21.5	15.8	12.9	12.9
62.5°	2458.5	2110.3	1081.7	70.2	35.8	31.5	28.7	20.1	12.9	8.6	8.6
65°	2405.4	2028.7	915.5	51.6	33.0	30.1	27.2	18.6	11.5	7.2	7.2
67.5°	2286.5	1866.8	673.4	47.3	34.4	28.7	24.4	17.2	10.0	5.7	5.7
70°	2075.9	1581.7	316.6	44.4	35.8	28.7	22.9	15.8	8.6	4.3	4.3
72.5°	1661.9	1086.0	74.5	38.7	34.4	27.2	22.9	12.9	5.7	2.9	2.9
75°	1093.1	502.9	55.9	33.0	31.5	24.4	20.1	14.3	5.7	1.4	1.4
77.5°	477.1	91.7	50.1	25.8	31.5	27.2	17.2	10.0	2.9	0.0	0.0
80°	68.8	51.6	48.7	17.2	28.7	15.8	7.2	2.9	1.4	0.0	0.0
82.5°	35.8	44.4	44.4	10.0	12.9	2.9	2.9	1.4	0.0	0.0	0.0
85°	27.2	40.1	17.2	7.2	2.9	1.4	1.4	1.4	0.0	0.0	0.0
87.5°	8.6	5.7	4.3	2.9	1.4	1.4	1.4	1.4	1.4	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)