

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: P510957

Luminaire Tested: **USSL-P-C016-D-U-T4-7030-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510957  
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-T4-7030-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 880mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6210 lumens  
Efficiency: N/A  
Efficacy: 126.5 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

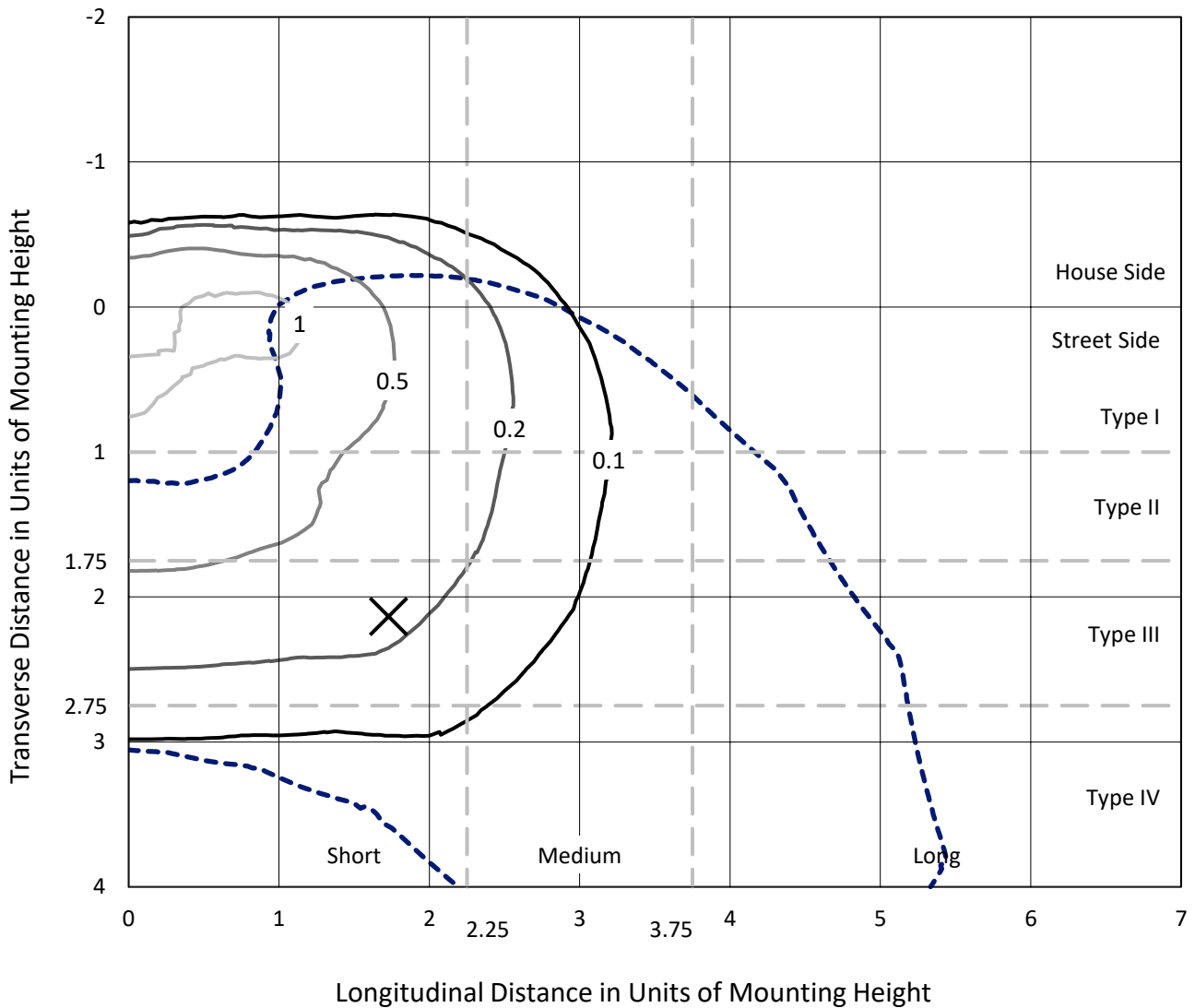
Input Watts (W): 49.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

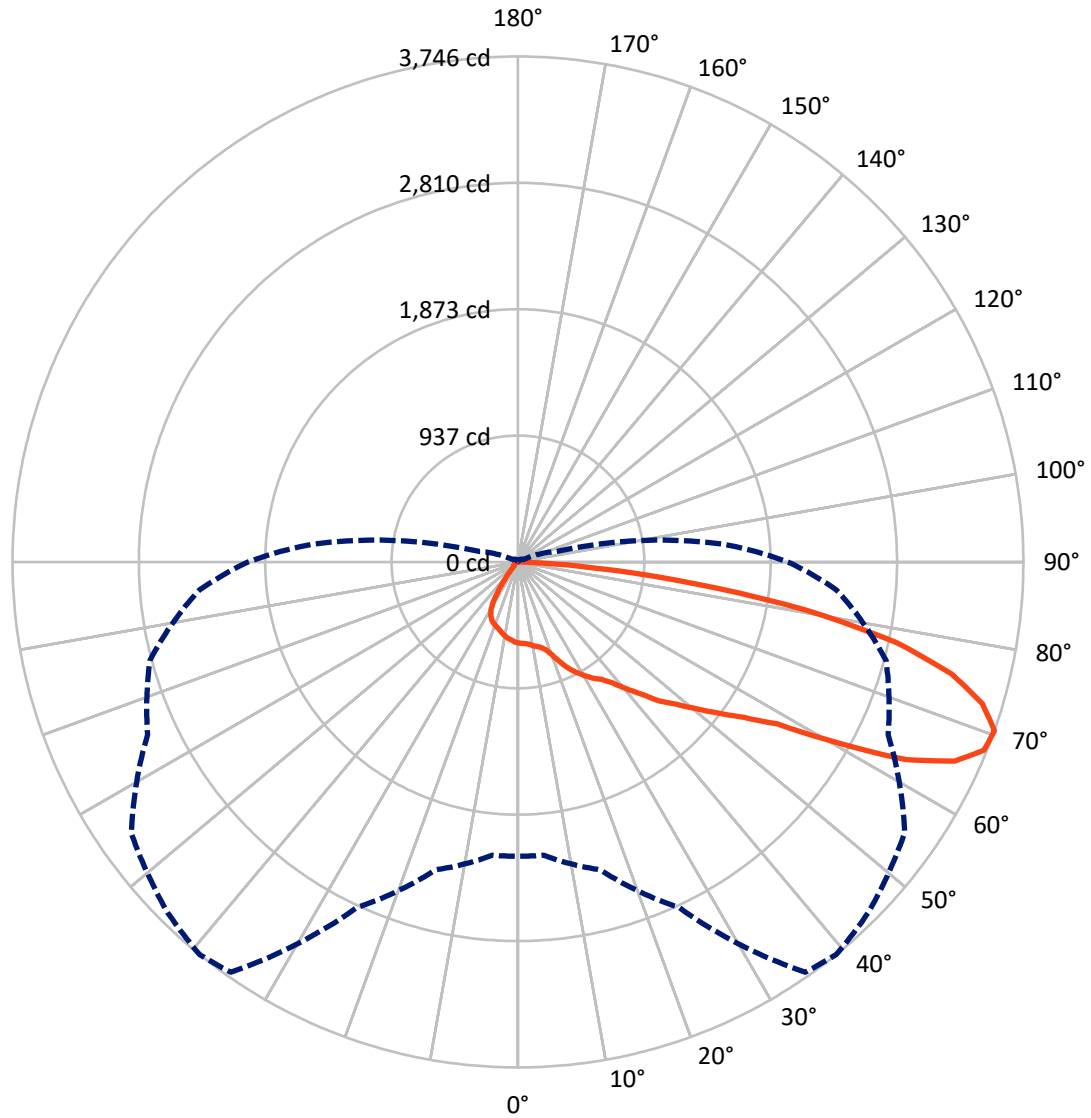
✕ Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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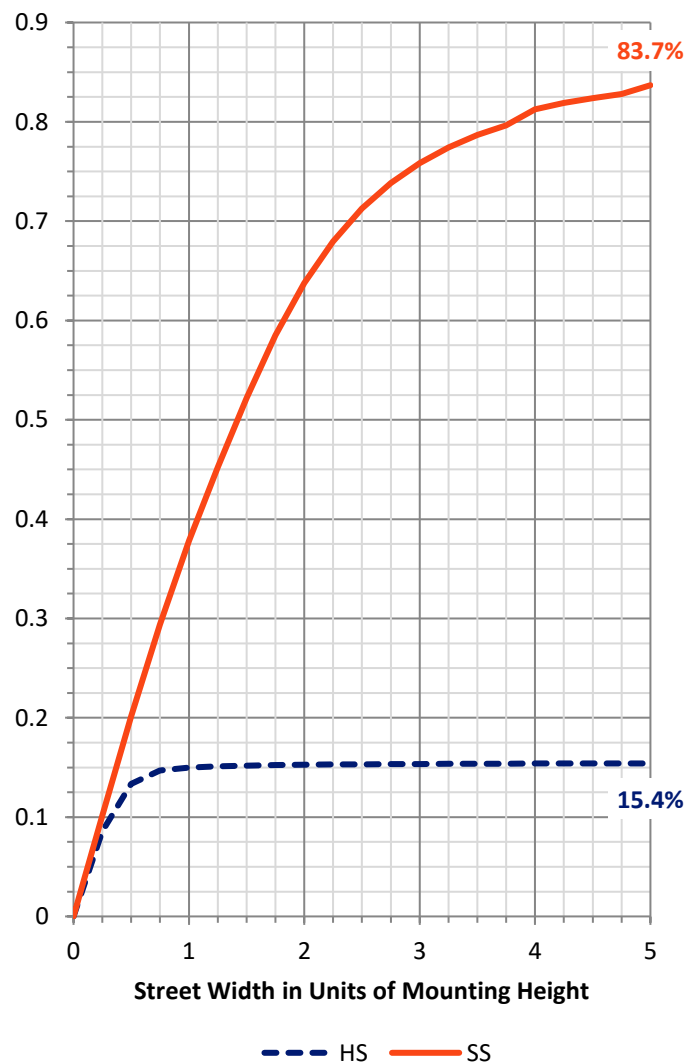
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	966.3	0.0	966.3
	% Fixture	15.6	0.0	15.6
<b>Street Side</b>	Lumens	5243.7	0.0	5243.7
	% Fixture	84.4	0.0	84.4
<b>Total</b>	Lumens	6210.0	0.0	6210.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	0.9
10°-20°	174.6	2.8
20°-30°	327.3	5.3
30°-40°	516.6	8.3
40°-50°	805.0	13.0
50°-60°	1218.1	19.6
60°-70°	1631.3	26.3
70°-80°	1256.2	20.2
80°-90°	223.9	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°	6210.0	100.0
0°-180°	6210.0	100.0

**Coefficient of Utilization**



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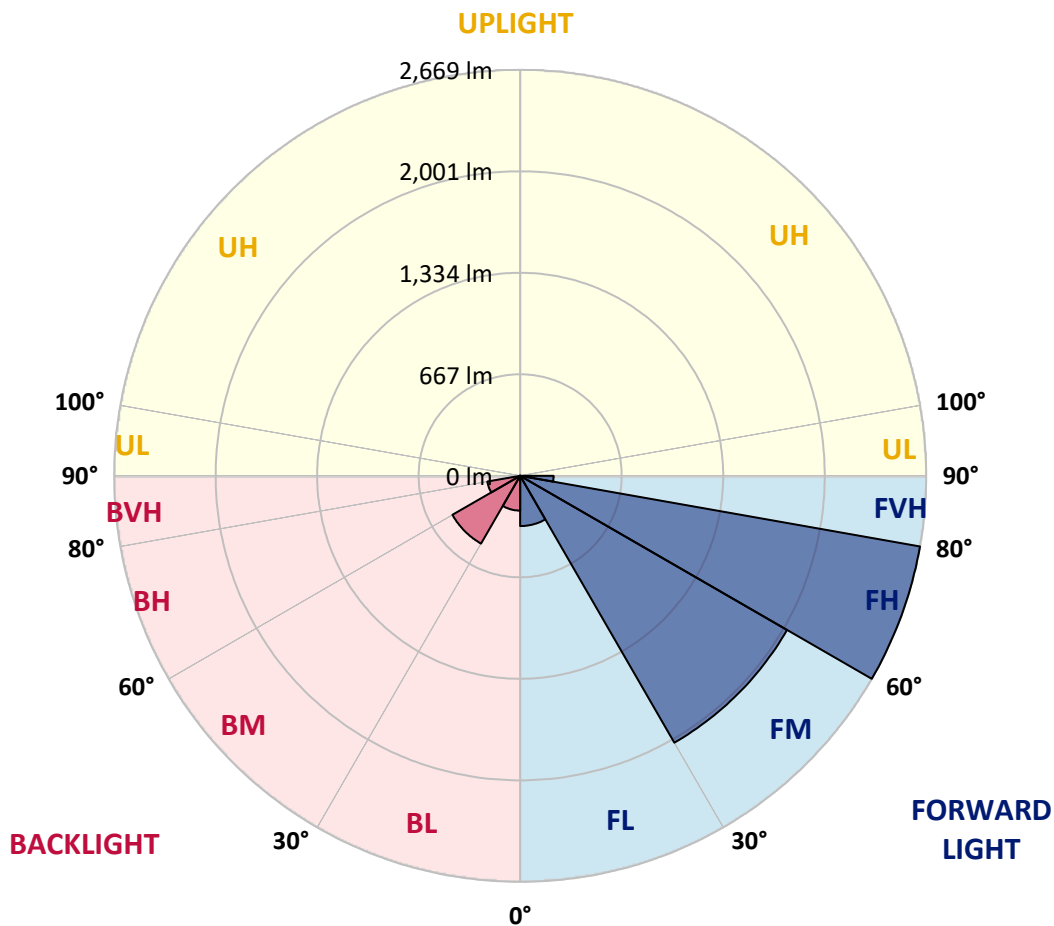
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.3	5.3			
FM (30°-60°)	2025.3	32.6			
FH (60°-80°)	2668.5	43.0			G2/5000
FVH (80°-90°)	219.6	3.5			G2/225
BL (0°-30°)	228.6	3.7	B1/500		
BM (30°-60°)	514.4	8.3	B1/1000		
BH (60°-80°)	218.9	3.5	B1/500		G1/500
BVH (80°-90°)	4.3	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9
2.5°	600.9	603.6	603.6	603.6	603.6	603.6	603.6	602.2	603.6	606.4	603.6
5°	603.6	605.0	605.0	607.8	607.8	607.8	607.8	606.4	607.8	607.8	605.0
7.5°	610.5	610.5	611.9	614.7	617.4	617.4	617.4	618.8	618.8	616.1	614.7
10°	617.4	617.4	618.8	624.3	629.9	629.9	634.0	636.8	638.2	635.4	631.2
12.5°	625.7	625.7	627.1	632.6	639.5	642.3	646.4	652.0	654.7	653.3	647.8
15°	638.2	638.2	640.9	646.4	657.5	658.9	664.4	672.7	676.8	676.8	671.3
17.5°	681.0	683.7	681.0	679.6	685.1	687.9	692.0	701.7	710.0	710.0	708.6
20°	763.9	759.7	755.6	750.0	741.8	741.8	737.6	739.0	745.9	756.9	755.6
22.5°	838.4	839.8	835.7	826.0	812.2	808.1	799.8	797.0	797.0	808.1	810.8
25°	899.2	903.4	902.0	888.2	873.0	874.4	873.0	870.2	867.4	868.8	874.4
27.5°	948.9	950.3	946.2	937.9	928.2	928.2	928.2	933.7	947.6	947.6	948.9
30°	989.0	991.8	987.6	984.9	980.7	977.9	977.9	998.7	1027.7	1048.4	1060.8
32.5°	1073.3	1063.6	1051.2	1023.5	1027.7	1027.7	1030.4	1058.1	1107.8	1146.5	1186.5
35°	1149.2	1150.6	1132.7	1113.3	1069.1	1067.7	1082.9	1118.8	1182.4	1259.7	1330.2
37.5°	1248.7	1248.7	1233.5	1199.0	1157.5	1135.4	1128.5	1178.2	1265.3	1397.9	1487.6
40°	1377.1	1377.1	1350.9	1302.6	1248.7	1233.5	1205.9	1244.5	1363.3	1574.7	1660.3
42.5°	1466.9	1465.5	1447.6	1397.9	1353.7	1335.7	1323.3	1335.7	1498.7	1765.3	1848.2
45°	1530.5	1538.8	1527.7	1505.6	1484.9	1468.3	1464.2	1491.8	1647.9	1960.0	1996.0
47.5°	1609.2	1616.1	1588.5	1577.4	1578.8	1574.7	1603.7	1678.3	1809.5	2127.2	2134.1
50°	1837.1	1830.2	1739.0	1694.8	1689.3	1707.3	1759.8	1830.2	1993.2	2281.9	2257.0
52.5°	2134.1	2084.4	1926.9	1850.9	1833.0	1860.6	1897.9	2002.9	2225.3	2433.8	2353.7
55°	2415.9	2388.2	2277.7	2083.0	2013.9	2031.9	2065.0	2161.7	2422.8	2559.5	2443.5
57.5°	2617.5	2609.2	2596.8	2507.0	2281.9	2261.2	2265.3	2330.2	2584.4	2700.4	2519.5
60°	2754.3	2775.0	2841.3	2830.3	2798.5	2717.0	2530.5	2508.4	2746.0	2791.6	2577.5
62.5°	2830.3	2841.3	2954.6	3048.5	3221.2	3225.3	3049.9	2711.5	2886.9	2862.0	2601.0
65°	2746.0	2768.1	2911.7	3105.1	3502.9	3556.8	3497.4	3052.6	3009.8	2896.6	2591.3
67.5°	2520.8	2525.0	2690.7	3047.1	3696.3	3723.9	3672.8	3439.4	3051.3	2880.0	2513.9
70°	2179.7	2182.4	2362.0	2824.7	3711.5	3746.0	3672.8	3498.8	3027.8	2824.7	2368.9
72.5°	1763.9	1795.7	1966.9	2454.5	3574.8	3599.6	3555.4	3417.3	2971.1	2725.3	2073.3
75°	1331.6	1342.6	1523.6	1924.1	3197.7	3320.6	3337.2	3270.9	2844.1	2384.1	1596.8
77.5°	848.1	860.5	1037.3	1464.2	2628.6	2864.8	3002.9	2994.6	2440.7	1868.9	948.9
80°	397.8	402.0	591.2	995.9	1943.5	2163.1	2395.1	2418.6	1857.8	1037.3	276.3
82.5°	111.9	124.3	226.5	555.3	1237.6	1323.3	1565.0	1468.3	603.6	122.9	40.1
85°	49.7	52.5	92.5	205.8	482.1	574.6	672.7	638.2	70.4	34.5	23.5
87.5°	29.0	30.4	37.3	53.9	74.6	76.0	95.3	84.3	16.6	15.2	8.3
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°	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9
2.5°	603.6	602.2	602.2	600.9	598.1	595.3	592.6	591.2	588.4	588.4	585.7
5°	603.6	602.2	599.5	596.7	591.2	584.3	577.4	573.2	570.5	567.7	570.5
7.5°	613.3	610.5	605.0	598.1	588.4	577.4	567.7	559.4	553.9	552.5	552.5
10°	628.5	625.7	616.1	603.6	587.0	570.5	552.5	540.1	531.8	529.0	526.3
12.5°	643.7	640.9	628.5	609.1	585.7	558.0	533.2	516.6	502.8	500.0	495.9
15°	668.5	663.0	646.4	618.8	584.3	547.0	512.5	487.6	469.6	462.7	458.6
17.5°	704.5	698.9	678.2	639.5	592.6	540.1	491.7	451.7	424.1	411.6	408.9
20°	754.2	747.3	718.3	667.2	606.4	538.7	472.4	414.4	370.2	348.1	342.6
22.5°	812.2	803.9	768.0	698.9	621.6	537.3	453.1	379.9	319.1	283.2	266.6
25°	875.7	873.0	812.2	725.2	629.9	527.7	429.6	345.3	261.1	203.0	194.8
27.5°	955.8	940.7	853.6	743.1	627.1	506.9	400.6	290.1	180.9	139.5	132.6
30°	1053.9	1016.6	897.8	758.3	614.7	480.7	352.2	201.7	111.9	88.4	85.6
32.5°	1161.7	1100.9	939.3	763.9	594.0	442.0	263.8	118.8	66.3	51.1	51.1
35°	1286.0	1199.0	983.5	758.3	556.7	371.6	163.0	63.5	35.9	31.8	31.8
37.5°	1435.2	1327.4	1029.1	740.4	505.6	277.6	92.5	31.8	29.0	27.6	27.6
40°	1600.9	1480.7	1092.6	710.0	435.1	183.7	41.4	27.6	27.6	26.2	26.2
42.5°	1761.1	1621.6	1168.6	671.3	355.0	105.0	31.8	29.0	24.9	23.5	23.5
45°	1906.2	1743.2	1233.5	624.3	263.8	51.1	33.2	24.9	22.1	22.1	22.1
47.5°	2026.3	1856.4	1280.5	576.0	176.8	35.9	34.5	23.5	20.7	19.3	19.3
50°	2134.1	1936.6	1306.7	513.8	95.3	35.9	30.4	23.5	19.3	19.3	19.3
52.5°	2223.9	2007.0	1312.2	432.3	47.0	35.9	31.8	23.5	18.0	20.7	20.7
55°	2295.7	2047.1	1288.7	341.2	40.1	33.2	31.8	22.1	18.0	22.1	23.5
57.5°	2352.3	2063.6	1239.0	234.8	40.1	31.8	31.8	20.7	16.6	18.0	18.0
60°	2377.2	2065.0	1167.2	131.2	38.7	31.8	30.4	20.7	15.2	12.4	12.4
62.5°	2370.3	2034.6	1042.9	67.7	34.5	30.4	27.6	19.3	12.4	8.3	8.3
65°	2319.2	1955.9	882.6	49.7	31.8	29.0	26.2	18.0	11.1	6.9	6.9
67.5°	2204.5	1799.8	649.2	45.6	33.2	27.6	23.5	16.6	9.7	5.5	5.5
70°	2001.5	1524.9	305.3	42.8	34.5	27.6	22.1	15.2	8.3	4.1	4.1
72.5°	1602.3	1047.0	71.8	37.3	33.2	26.2	22.1	12.4	5.5	2.8	2.8
75°	1053.9	484.8	53.9	31.8	30.4	23.5	19.3	13.8	5.5	1.4	1.4
77.5°	460.0	88.4	48.3	24.9	30.4	26.2	16.6	9.7	2.8	0.0	0.0
80°	66.3	49.7	47.0	16.6	27.6	15.2	6.9	2.8	1.4	0.0	0.0
82.5°	34.5	42.8	42.8	9.7	12.4	2.8	2.8	1.4	0.0	0.0	0.0
85°	26.2	38.7	16.6	6.9	2.8	1.4	1.4	1.4	0.0	0.0	0.0
87.5°	8.3	5.5	4.1	2.8	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)