

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: P161662

Luminaire Tested: **OVF-F06-LED-E-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P161662  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33698)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVF-F06-LED-E-U-5WQ  
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15184.2 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U0 - G2

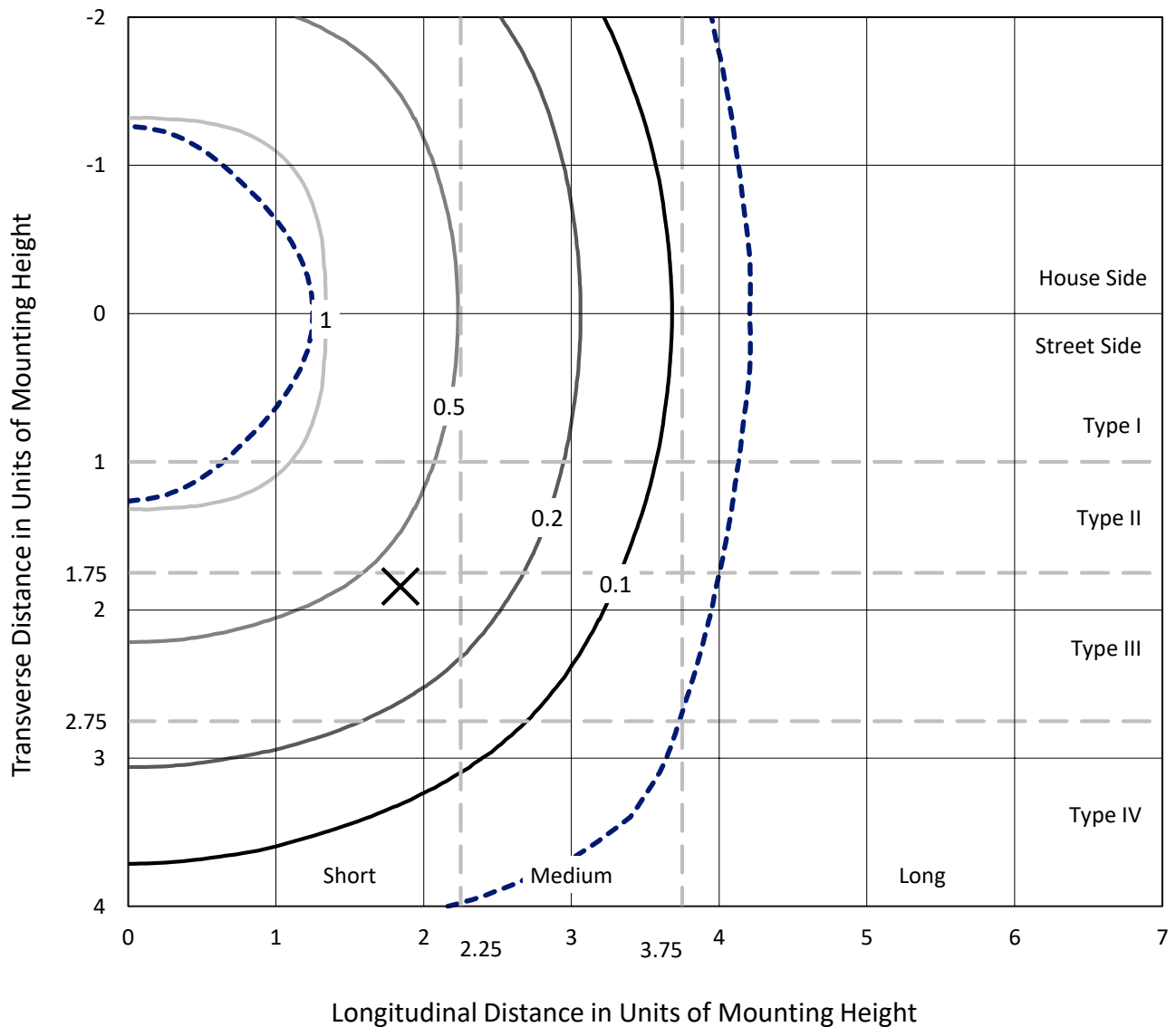
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

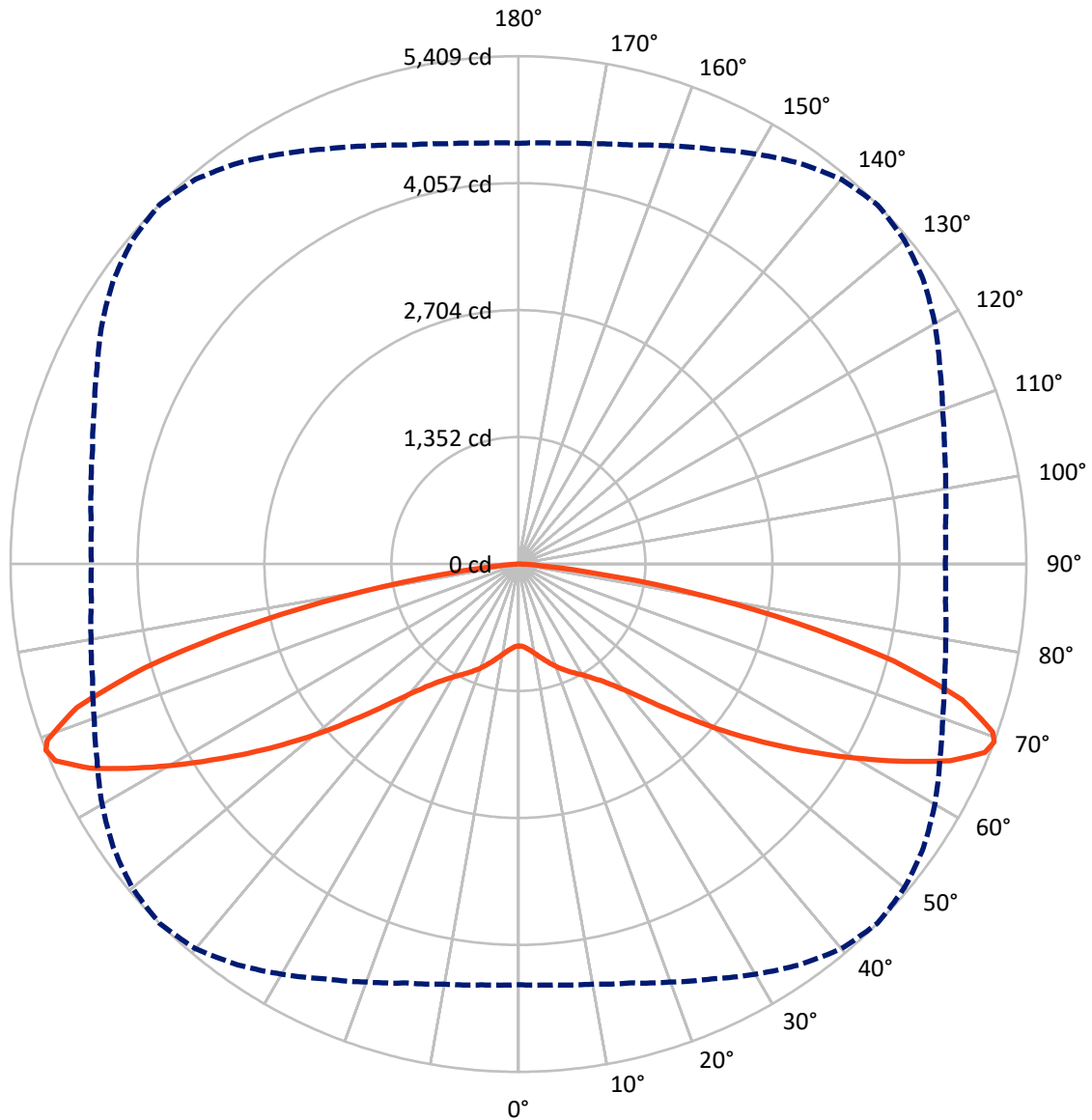
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7592.1	0.0	7592.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7592.1	0.0	7592.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15184.2	0.0	15184.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	0.6
10°-20°	303.4	2.0
20°-30°	584.9	3.9
30°-40°	958.5	6.3
40°-50°	1666.6	11.0
50°-60°	2960.4	19.5
60°-70°	4596.3	30.3
70°-80°	3662.0	24.1
80°-90°	364.1	2.4
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°	15184.2	100.0
0°-180°	15184.2	100.0



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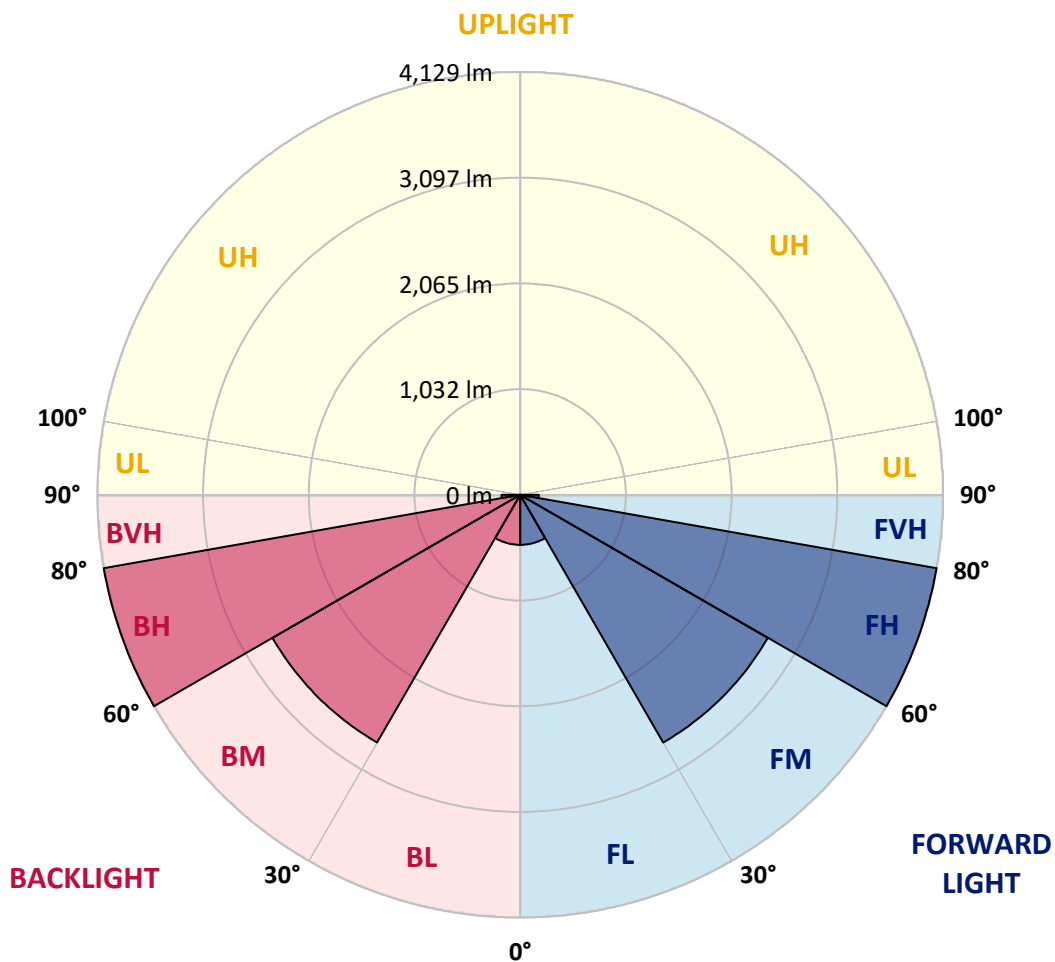
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	488.2	3.2			
FM	(30°-60°)	2792.7	18.4			
FH	(60°-80°)	4129.1	27.2			G2/5000
FVH	(80°-90°)	182.1	1.2			G2/225
BL	(0°-30°)	488.2	3.2	B1/500		
BM	(30°-60°)	2792.7	18.4	B3/5000		
BH	(60°-80°)	4129.1	27.2	B4/5000		G2/5000
BVH	(80°-90°)	182.1	1.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7
2.5°	879.7	879.7	879.7	878.7	878.7	877.7	878.7	877.7	877.7	877.7	877.7
5°	902.5	900.5	900.5	899.5	901.5	901.5	899.5	900.5	899.5	900.5	900.5
7.5°	931.2	931.2	931.2	930.2	932.2	931.2	930.2	931.2	931.2	930.2	930.2
10°	966.9	967.8	966.9	966.9	969.8	968.8	969.8	969.8	970.8	969.8	969.8
12.5°	1008.5	1008.5	1009.5	1010.4	1011.4	1012.4	1015.4	1014.4	1016.4	1014.4	1014.4
15°	1057.0	1059.0	1057.0	1057.0	1060.0	1062.0	1062.9	1062.9	1064.9	1063.9	1062.0
17.5°	1108.5	1109.5	1108.5	1107.5	1110.5	1113.5	1114.5	1114.5	1117.4	1115.4	1115.4
20°	1161.0	1162.0	1160.0	1159.0	1163.0	1163.0	1165.0	1166.0	1168.9	1169.9	1167.0
22.5°	1209.6	1210.5	1209.6	1208.6	1212.5	1212.5	1215.5	1216.5	1220.5	1219.5	1219.5
25°	1257.1	1257.1	1256.1	1256.1	1260.1	1261.1	1264.0	1266.0	1270.0	1270.0	1270.0
27.5°	1300.7	1301.7	1299.7	1298.7	1306.6	1309.6	1311.6	1315.6	1318.5	1320.5	1319.5
30°	1350.2	1350.2	1349.2	1352.2	1357.2	1361.1	1365.1	1371.0	1377.0	1375.0	1375.0
32.5°	1408.7	1410.7	1409.7	1413.6	1419.6	1425.5	1430.5	1437.4	1440.4	1445.3	1441.4
35°	1486.9	1490.9	1488.9	1492.9	1497.8	1501.8	1512.7	1519.6	1524.6	1527.6	1525.6
37.5°	1585.0	1583.0	1587.0	1588.0	1597.9	1602.8	1615.7	1625.6	1633.5	1636.5	1634.5
40°	1706.9	1703.9	1708.8	1713.8	1726.7	1731.6	1746.5	1761.3	1772.2	1776.2	1774.2
42.5°	1852.5	1856.4	1864.4	1871.3	1889.1	1903.0	1919.8	1941.6	1953.5	1958.5	1951.5
45°	2043.7	2036.7	2051.6	2069.4	2079.3	2110.0	2137.8	2160.6	2180.4	2188.3	2180.4
47.5°	2261.6	2260.6	2278.4	2300.2	2326.0	2354.7	2387.4	2417.1	2451.8	2453.8	2443.9
50°	2502.3	2522.1	2532.1	2553.8	2601.4	2637.1	2678.7	2723.2	2754.9	2764.8	2747.0
52.5°	2792.6	2807.4	2813.4	2850.0	2893.6	2937.2	2995.7	3049.2	3085.8	3089.8	3080.9
55°	3107.6	3119.5	3130.4	3175.0	3222.5	3261.2	3335.5	3388.0	3424.6	3438.5	3432.5
57.5°	3433.5	3444.4	3458.3	3506.8	3555.4	3609.9	3680.2	3741.6	3784.2	3810.0	3803.0
60°	3795.1	3795.1	3826.8	3875.3	3915.0	3979.4	4052.7	4124.0	4170.6	4211.2	4200.3
62.5°	4175.5	4186.4	4217.1	4256.7	4298.3	4357.8	4441.0	4526.2	4597.5	4628.2	4627.2
65°	4463.8	4483.6	4524.2	4569.8	4639.1	4709.5	4814.5	4920.5	5006.6	5051.2	5051.2
67.5°	4548.0	4560.9	4611.4	4680.7	4780.8	4892.7	5035.4	5183.0	5300.9	5359.3	5322.7
69°	4480.6	4499.4	4544.0	4619.3	4738.2	4874.9	5044.3	5211.7	5348.4	5408.8	5366.2
70°	4402.4	4423.2	4467.7	4542.0	4664.9	4810.5	4979.9	5160.2	5306.8	5358.3	5309.8
72.5°	4083.4	4109.1	4140.8	4205.2	4316.2	4452.9	4605.4	4763.9	4904.6	4945.2	4884.8
75°	3539.5	3544.5	3560.3	3607.9	3647.5	3744.6	3874.4	4000.2	4106.2	4129.9	4065.5
77.5°	2505.3	2478.6	2451.8	2492.4	2524.1	2648.9	2789.6	2892.6	3003.6	3037.3	2971.9
80°	1098.6	1088.7	1126.3	1179.8	1319.5	1402.7	1540.4	1688.0	1782.1	1892.1	1774.2
82.5°	216.9	228.8	264.5	326.9	403.2	507.2	597.3	699.4	791.5	833.1	790.5
85°	88.2	96.1	109.0	121.8	130.8	146.6	172.4	214.0	235.8	238.7	226.9
87.5°	36.7	42.6	57.5	68.4	69.3	66.4	68.4	70.3	57.5	46.6	58.4
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7
2.5°	877.7	878.7	877.7	878.7	877.7	877.7	878.7	877.7
5°	899.5	900.5	899.5	898.5	897.5	898.5	898.5	898.5
7.5°	930.2	929.2	928.2	928.2	927.2	926.2	928.2	928.2
10°	967.8	966.9	964.9	964.9	963.9	963.9	963.9	963.9
12.5°	1013.4	1010.4	1009.5	1006.5	1005.5	1004.5	1004.5	1005.5
15°	1061.0	1058.0	1057.0	1052.0	1052.0	1051.1	1051.1	1051.1
17.5°	1111.5	1108.5	1104.6	1104.6	1101.6	1099.6	1100.6	1098.6
20°	1163.0	1159.0	1157.1	1156.1	1152.1	1152.1	1152.1	1151.1
22.5°	1213.5	1210.5	1207.6	1203.6	1199.7	1198.7	1198.7	1197.7
25°	1265.0	1260.1	1254.1	1250.2	1246.2	1243.2	1243.2	1243.2
27.5°	1316.5	1310.6	1301.7	1296.7	1290.8	1287.8	1287.8	1286.8
30°	1371.0	1364.1	1356.2	1349.2	1341.3	1338.3	1337.4	1335.4
32.5°	1436.4	1429.5	1421.6	1411.6	1403.7	1398.8	1398.8	1395.8
35°	1519.6	1511.7	1505.8	1492.9	1483.0	1475.0	1476.0	1478.0
37.5°	1628.6	1618.7	1613.7	1597.9	1585.0	1577.1	1577.1	1576.1
40°	1767.3	1757.4	1746.5	1731.6	1715.8	1704.9	1701.9	1701.9
42.5°	1943.6	1934.7	1919.8	1899.0	1880.2	1868.3	1858.4	1859.4
45°	2164.5	2153.6	2132.8	2107.1	2084.3	2067.4	2053.6	2053.6
47.5°	2433.0	2410.2	2381.5	2358.7	2320.1	2294.3	2284.4	2282.4
50°	2739.1	2696.5	2660.8	2628.1	2587.5	2560.8	2545.9	2542.0
52.5°	3060.1	3015.5	2970.9	2928.3	2878.8	2851.0	2827.3	2825.3
55°	3408.8	3352.3	3295.8	3254.2	3195.8	3167.0	3143.3	3129.4
57.5°	3764.4	3701.0	3660.4	3600.9	3539.5	3518.7	3495.9	3479.1
60°	4164.6	4095.3	4041.8	3979.4	3939.7	3895.2	3873.4	3860.5
62.5°	4573.7	4509.3	4441.0	4381.6	4326.1	4295.4	4265.7	4250.8
65°	4989.8	4883.8	4802.6	4720.4	4655.0	4599.5	4552.9	4547.0
67.5°	5245.4	5111.7	4975.9	4856.1	4760.0	4681.7	4634.2	4617.3
69°	5266.2	5120.6	4951.2	4807.5	4696.6	4621.3	4564.8	4547.0
70°	5208.7	5062.1	4883.8	4729.3	4614.4	4532.1	4485.6	4455.9
72.5°	4788.7	4659.9	4488.5	4336.0	4232.0	4135.9	4089.3	4077.4
75°	3950.6	3813.9	3656.4	3583.1	3510.8	3450.4	3418.7	3415.7
77.5°	2805.5	2665.8	2545.9	2449.8	2371.6	2332.9	2341.8	2309.2
80°	1605.8	1423.5	1278.9	1193.7	1077.8	1008.5	930.2	986.7
82.5°	690.5	557.7	425.0	345.7	263.5	209.0	172.4	160.5
85°	193.2	157.5	131.8	120.9	109.0	97.1	82.2	76.3
87.5°	65.4	62.4	55.5	55.5	50.5	42.6	29.7	26.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)