

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: P367554

Luminaire Tested: **PMM-SA2D-730-U-SL4**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367554  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA2D-730-U-SL4  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11965 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

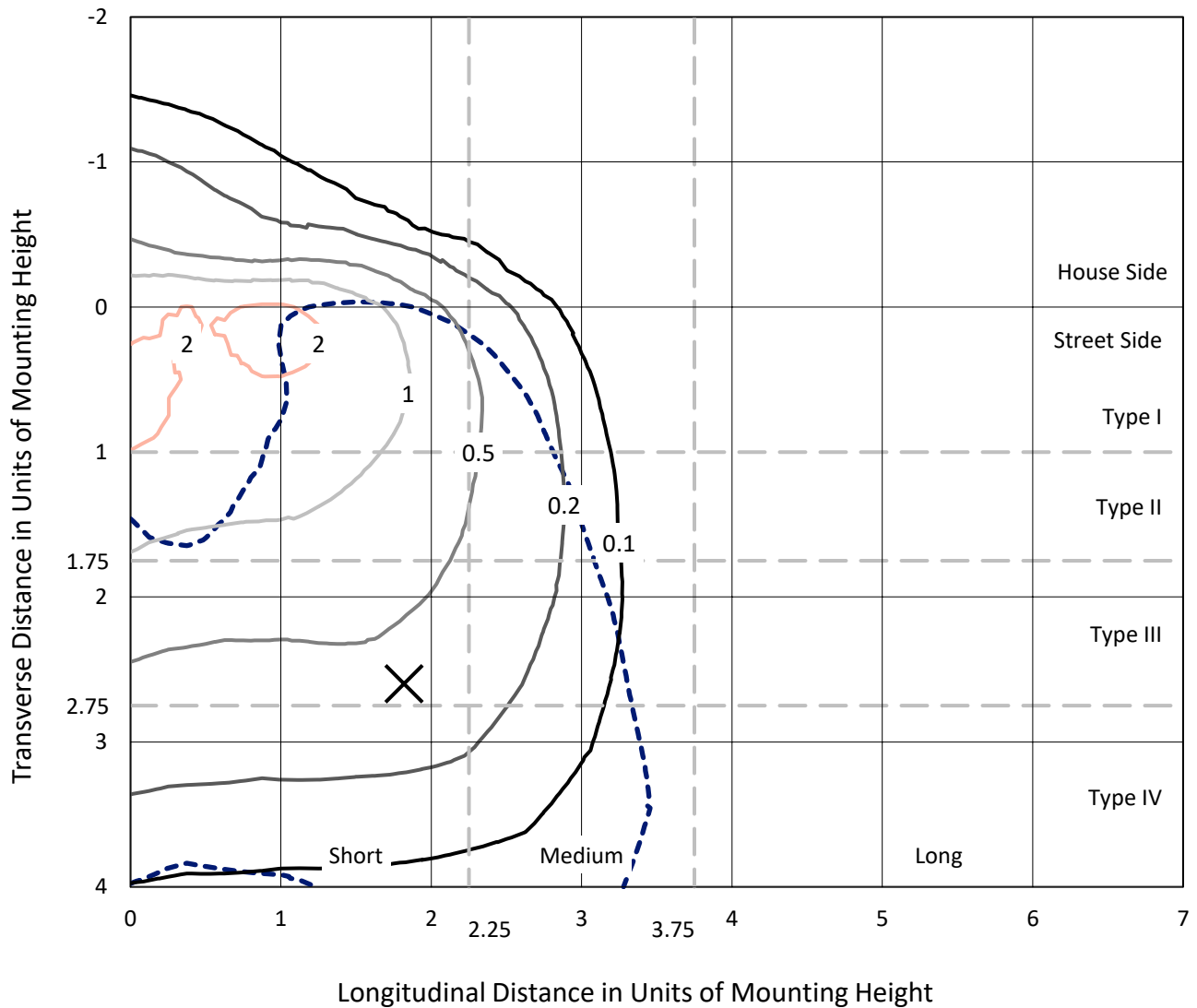
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

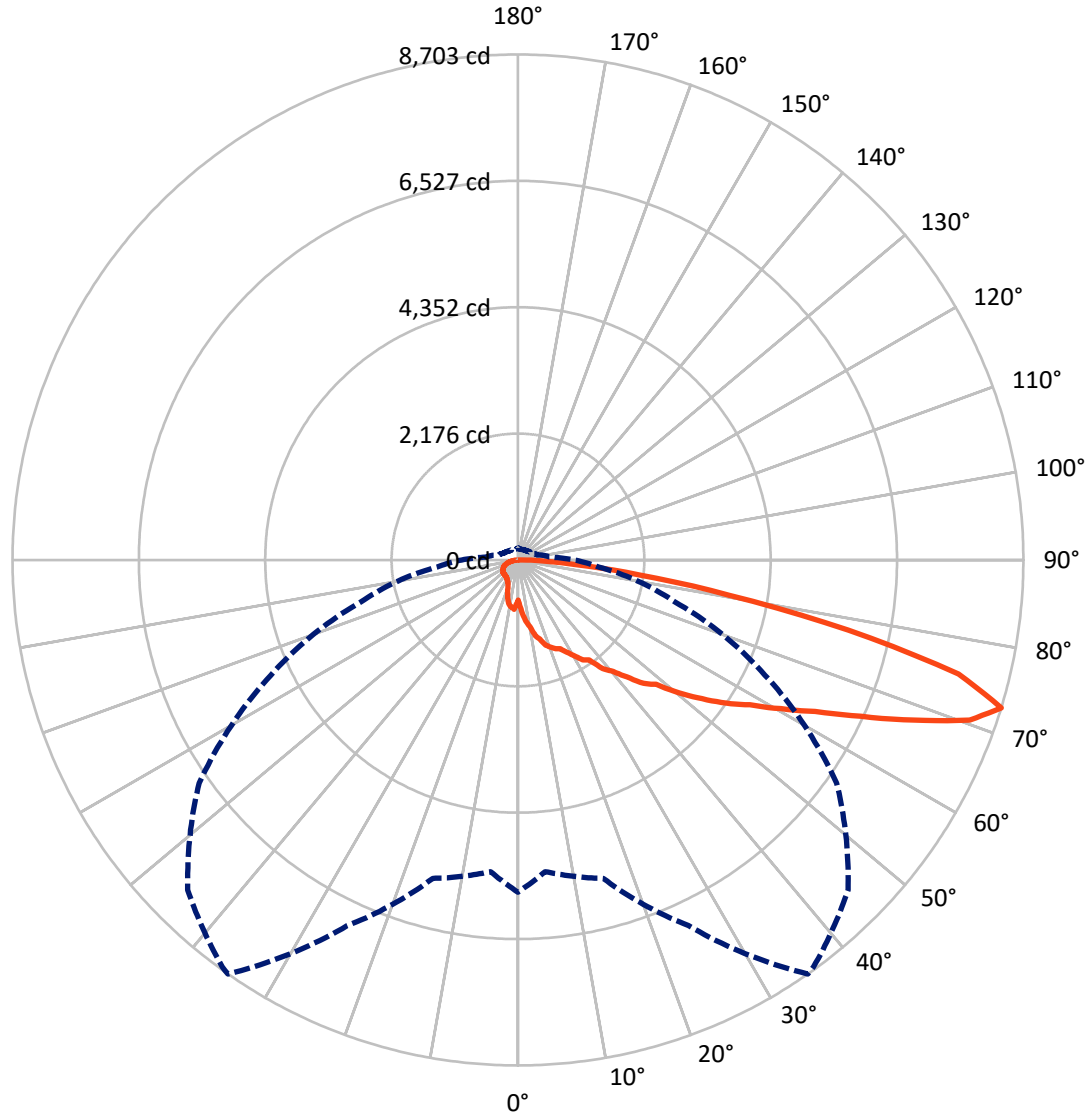
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1605.7	0.0	1605.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	10359.3	0.0	10359.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	11965.0	0.0	11965.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.9	0.8
10°-20°	323.7	2.7
20°-30°	562.5	4.7
30°-40°	940.1	7.9
40°-50°	1631.6	13.6
50°-60°	2466.6	20.6
60°-70°	3195.5	26.7
70°-80°	2357.9	19.7
80°-90°	395.2	3.3
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°	11965.0	100.0
0°-180°	11965.0	100.0

**Coefficient of Utilization**



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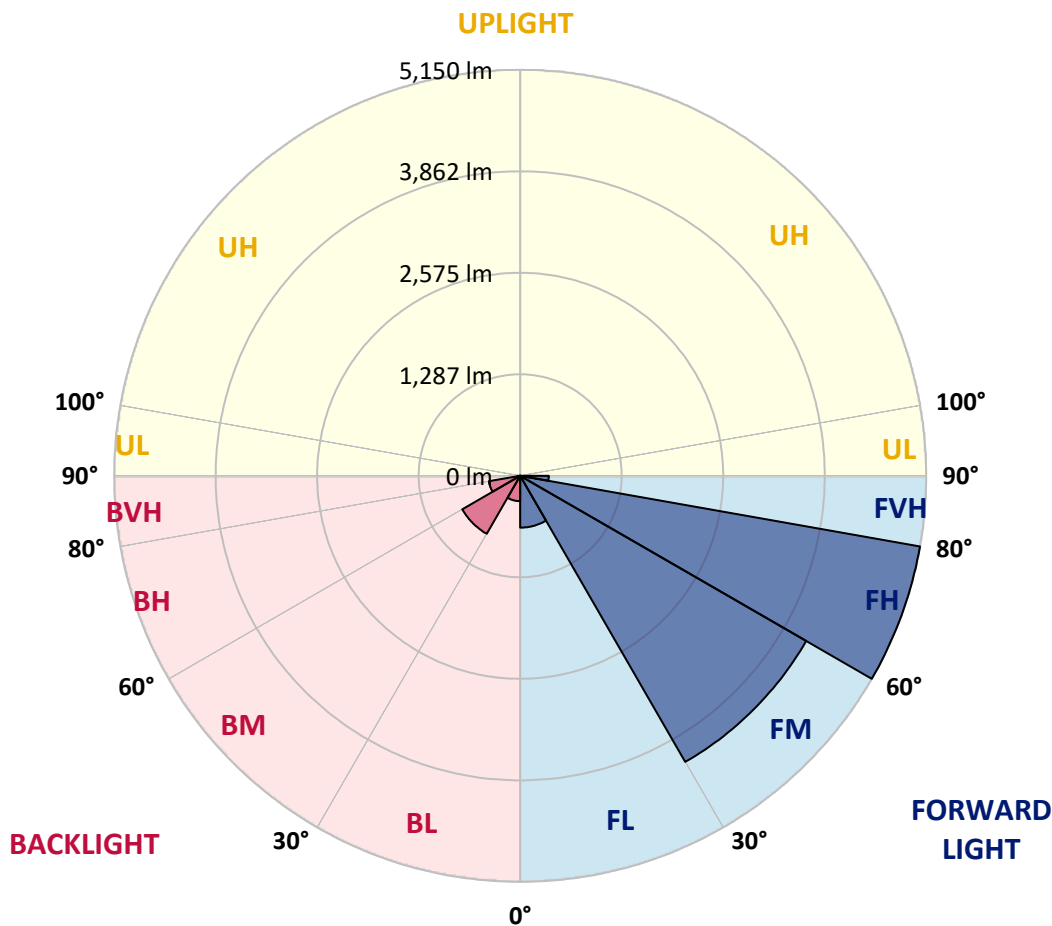
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	657.1	5.5			
FM (30°-60°)	4189.7	35.0			
FH (60°-80°)	5149.6	43.0			G3/7500
FVH (80°-90°)	362.8	3.0			G3/500
BL (0°-30°)	320.9	2.7	B1/500		
BM (30°-60°)	848.6	7.1	B1/1000		
BH (60°-80°)	403.8	3.4	B1/500		G1/500
BVH (80°-90°)	32.3	0.3			G1/100
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°	36°	45°	55°	65°	75°	85°
0°	691.5	691.5	691.5	691.5	691.5	691.5	691.5	691.5	691.5	691.5	691.5
2.5°	862.5	821.2	785.4	783.9	817.1	829.9	824.8	813.5	800.2	772.2	833.4
5°	1080.6	1021.4	1010.1	996.8	966.7	974.9	925.9	963.1	974.9	1002.0	1042.8
7.5°	1209.3	1174.6	1147.5	1136.3	1084.2	1078.0	1041.8	1094.9	1117.4	1113.8	1174.6
10°	1259.9	1228.2	1230.2	1193.5	1176.6	1183.8	1187.8	1188.9	1202.7	1213.9	1183.2
12.5°	1285.9	1298.2	1343.1	1318.1	1339.5	1348.2	1391.1	1347.2	1348.7	1291.0	1322.7
15°	1417.1	1447.8	1421.7	1420.7	1414.1	1428.4	1465.1	1435.5	1458.5	1440.1	1399.3
17.5°	1575.5	1584.6	1534.6	1514.2	1540.7	1536.1	1526.9	1531.5	1474.3	1580.6	1530.5
20°	1624.0	1660.2	1594.3	1514.2	1602.0	1613.8	1611.7	1591.8	1493.7	1646.9	1598.4
22.5°	1764.9	1715.9	1663.8	1612.7	1657.7	1664.3	1653.1	1605.6	1572.9	1631.1	1669.4
25°	1828.7	1817.0	1750.6	1744.5	1695.0	1671.5	1690.9	1677.1	1644.9	1748.6	1706.2
27.5°	1974.8	1961.0	1808.3	1871.1	1799.1	1793.0	1690.4	1736.3	1768.5	1760.8	1824.2
30°	2140.3	2156.1	1932.9	1995.7	1912.5	1901.3	1798.1	1856.3	1878.3	1885.4	1964.6
32.5°	2324.1	2367.5	2145.9	2094.3	2049.9	2057.5	1970.2	1864.0	1949.3	2116.3	2150.5
35°	2523.3	2541.2	2308.8	2231.2	2115.2	2107.1	2108.6	2121.9	2208.2	2398.7	2425.2
37.5°	2891.5	2808.7	2605.0	2408.4	2369.6	2293.5	2345.0	2385.9	2472.2	2764.3	2875.6
40°	3118.2	3056.9	2746.4	2632.6	2525.3	2532.5	2629.0	2628.5	2832.2	3133.5	3303.6
42.5°	3328.1	3261.2	2968.6	2854.2	2752.6	2777.6	2805.2	2853.7	3244.4	3730.0	3807.6
45°	3497.1	3350.6	3140.2	3114.6	3030.9	2997.7	3114.6	3192.3	3737.2	4212.6	4257.6
47.5°	3612.0	3491.5	3285.7	3263.3	3201.5	3282.7	3601.8	3651.9	4119.2	4697.2	4693.7
50°	3786.7	3621.8	3435.9	3424.1	3598.3	3641.7	4030.8	4025.7	4490.9	5099.7	5015.4
52.5°	3987.9	3780.1	3578.3	3704.5	3970.0	3991.5	4329.0	4466.4	4896.9	5487.8	5267.7
55°	4219.2	3986.9	3791.8	3960.3	4355.6	4292.3	4633.9	4969.4	5405.1	5896.8	5450.0
57.5°	4505.7	4223.8	4066.0	4322.4	4707.5	4763.6	5070.6	5492.9	5814.1	6151.2	5582.8
60°	4808.1	4477.1	4332.6	4576.7	5200.3	5264.6	5564.9	5928.0	6272.7	6390.7	5557.7
62.5°	5096.6	4738.6	4607.9	4909.2	5746.7	5906.0	6127.7	6359.0	6654.2	6448.9	5254.9
65°	5417.8	5059.3	4977.1	5429.1	6487.7	6646.0	6935.6	6866.1	6784.9	6242.6	4753.9
67.5°	5757.9	5393.8	5409.1	6032.2	7361.5	7388.5	7833.3	7371.7	6631.2	5696.1	3912.8
70°	5940.8	5568.0	5725.8	6675.1	8250.6	8211.8	8302.7	7507.5	6004.6	4502.7	2696.9
72.5°	5719.1	5386.7	5675.7	6945.8	8703.0	8661.2	8039.1	6701.2	4694.7	2800.1	1398.2
75°	4842.3	4521.6	4963.8	6191.5	7834.9	7873.7	6841.6	4983.2	2687.7	1126.1	580.6
77.5°	3290.3	3124.9	3503.8	4615.0	5819.7	5954.0	5076.2	2913.9	1128.6	466.3	351.3
80°	1738.9	1660.2	1940.1	2658.6	3685.1	3785.2	2984.9	1451.4	578.1	301.8	250.7
82.5°	944.8	911.6	1061.7	1367.1	2093.8	2181.1	1547.9	964.2	389.6	189.0	153.2
85°	634.8	622.0	721.6	734.4	990.2	1018.8	811.0	742.5	233.9	92.4	101.1
87.5°	317.6	304.9	379.9	335.5	377.9	378.4	371.8	473.9	59.2	30.6	18.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	691.5	691.5	691.5	691.5	691.5	691.5	691.5	691.5	691.5	691.5	691.5
2.5°	834.5	816.6	754.8	754.3	763.5	757.3	761.9	736.9	726.2	775.2	772.7
5°	1037.2	983.6	932.0	914.1	893.2	847.7	850.3	850.8	843.1	872.2	874.3
7.5°	1156.2	1091.8	1044.3	949.4	874.8	816.6	824.2	832.9	824.2	863.1	877.4
10°	1173.5	1122.5	1065.8	960.1	910.5	857.9	804.8	757.9	752.2	734.4	740.0
12.5°	1276.7	1234.3	1115.8	999.9	942.2	861.5	764.5	710.9	665.9	673.6	659.3
15°	1361.5	1331.3	1189.4	1037.7	899.8	799.7	696.6	623.0	582.7	578.1	563.8
17.5°	1476.4	1433.5	1196.0	1011.7	845.2	725.2	608.7	525.5	508.1	501.0	493.8
20°	1531.5	1454.4	1172.0	930.0	781.3	636.3	521.9	450.4	445.3	458.1	455.5
22.5°	1579.5	1471.8	1150.6	880.4	681.8	546.4	462.7	415.7	410.1	426.4	429.5
25°	1607.6	1521.3	1127.1	829.9	620.0	479.5	418.2	391.7	392.7	414.2	411.6
27.5°	1734.3	1538.7	1067.8	770.1	549.0	430.0	396.8	383.0	377.4	407.0	409.6
30°	1813.9	1652.1	1054.6	706.8	496.4	393.7	377.4	371.8	370.8	406.5	409.1
32.5°	1962.0	1689.8	1060.7	637.8	448.9	382.5	363.1	362.6	372.8	407.0	411.1
35°	2167.3	1849.2	1031.1	598.5	422.8	365.1	351.9	355.9	373.3	410.6	416.2
37.5°	2567.7	1999.3	1040.3	561.7	414.2	359.5	348.8	351.3	379.4	419.8	435.1
40°	2884.8	2271.5	1026.0	543.4	402.4	358.5	342.2	352.4	378.9	424.9	438.7
42.5°	3344.5	2488.6	1027.5	525.0	401.9	354.4	341.1	353.4	377.9	420.3	439.2
45°	3738.7	2683.1	1049.5	514.3	396.8	361.1	339.6	354.9	371.3	403.9	424.9
47.5°	4062.0	2900.2	1071.9	504.0	394.8	367.2	338.1	344.2	360.0	385.6	404.5
50°	4325.5	3052.9	1100.5	502.0	394.8	364.1	334.0	333.5	346.8	367.2	385.1
52.5°	4530.8	3160.6	1119.9	504.6	394.8	352.4	328.9	324.8	333.0	347.8	365.6
55°	4679.4	3193.8	1104.1	511.2	394.2	341.6	319.7	316.1	320.2	330.4	347.3
57.5°	4739.1	3106.5	1009.6	499.4	394.2	334.0	308.5	304.4	308.5	316.1	333.0
60°	4589.5	2825.6	873.3	469.3	386.6	323.8	295.7	293.1	299.3	305.9	322.2
62.5°	4214.1	2452.3	727.7	433.6	370.8	315.1	283.4	283.9	293.6	302.8	319.2
65°	3630.9	2000.8	606.7	397.3	350.8	301.3	270.7	274.2	288.0	300.3	316.6
67.5°	2857.3	1482.5	510.7	362.1	322.8	278.8	256.4	257.4	267.1	278.8	294.7
70°	1909.9	943.2	419.8	320.7	286.0	249.7	234.4	230.8	228.3	238.5	252.3
72.5°	968.8	557.2	344.7	274.2	246.1	218.1	206.3	197.1	190.0	196.1	206.8
75°	507.6	389.6	278.3	227.8	203.3	185.4	176.7	164.4	159.3	162.9	170.6
77.5°	359.0	304.9	225.2	180.3	165.5	147.1	148.6	135.8	131.8	133.8	142.0
80°	275.8	241.6	173.1	136.4	127.7	109.8	114.9	107.2	102.1	101.1	107.2
82.5°	187.9	181.8	123.1	95.5	89.4	76.6	83.8	80.7	74.0	70.0	73.0
85°	126.6	120.5	75.1	55.2	52.6	39.8	51.1	49.0	43.4	37.3	37.8
87.5°	22.0	40.3	21.4	13.8	12.8	4.6	11.7	11.2	10.2	5.1	4.1
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)