

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: P367945

Luminaire Tested: **PMM-SA3C-730-U-SL2-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-17)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3C-730-U-SL2-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13589 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

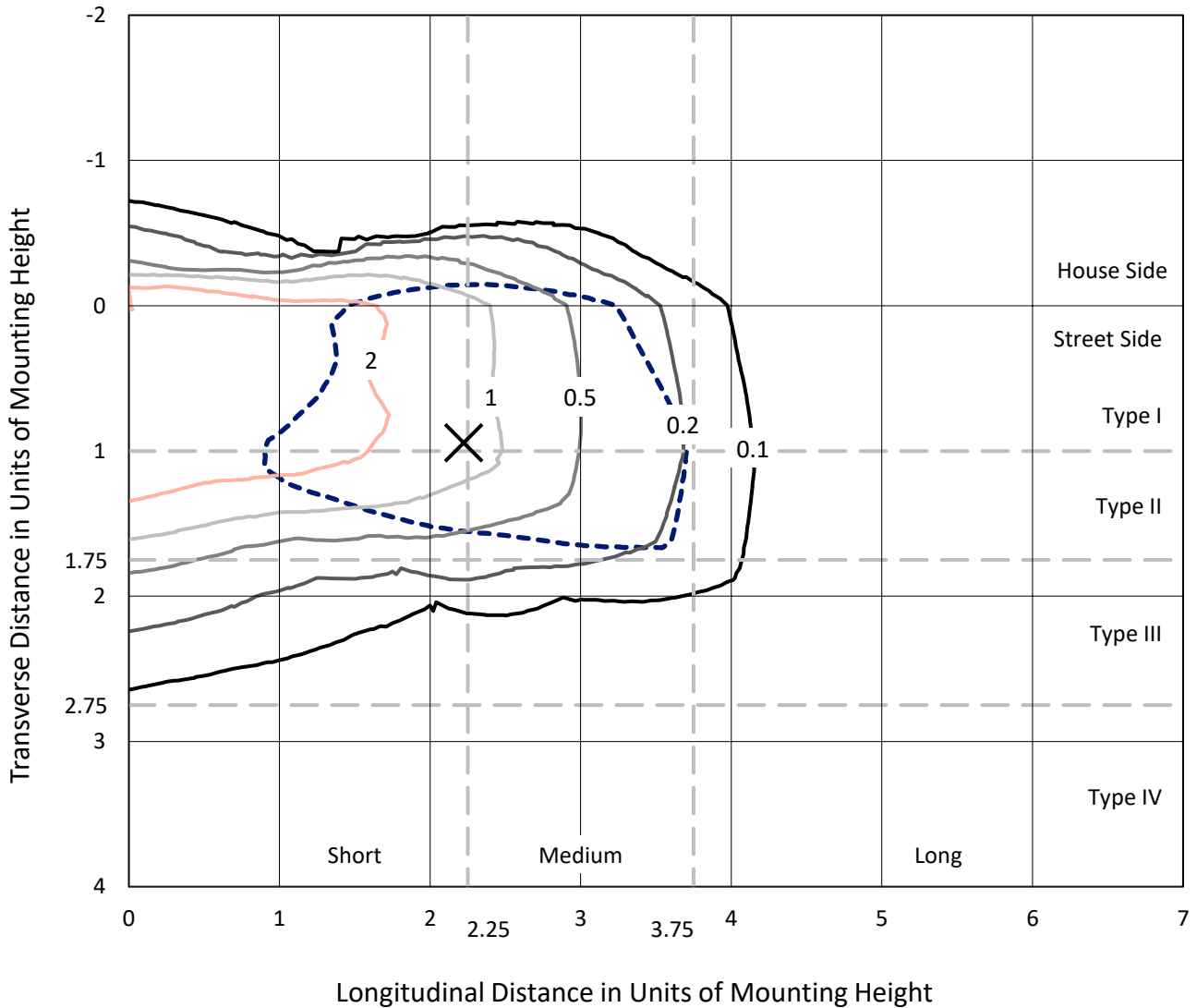
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

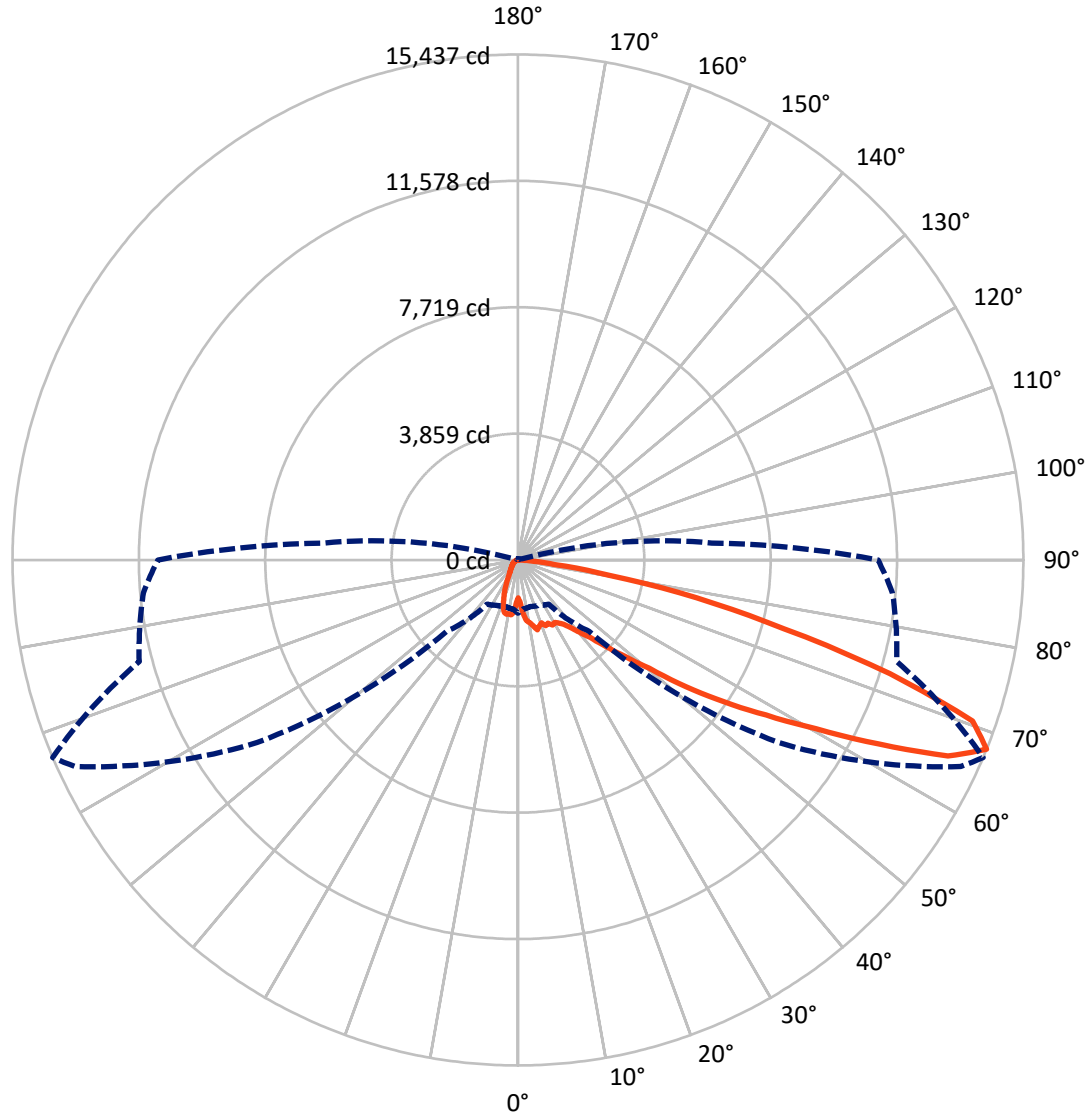
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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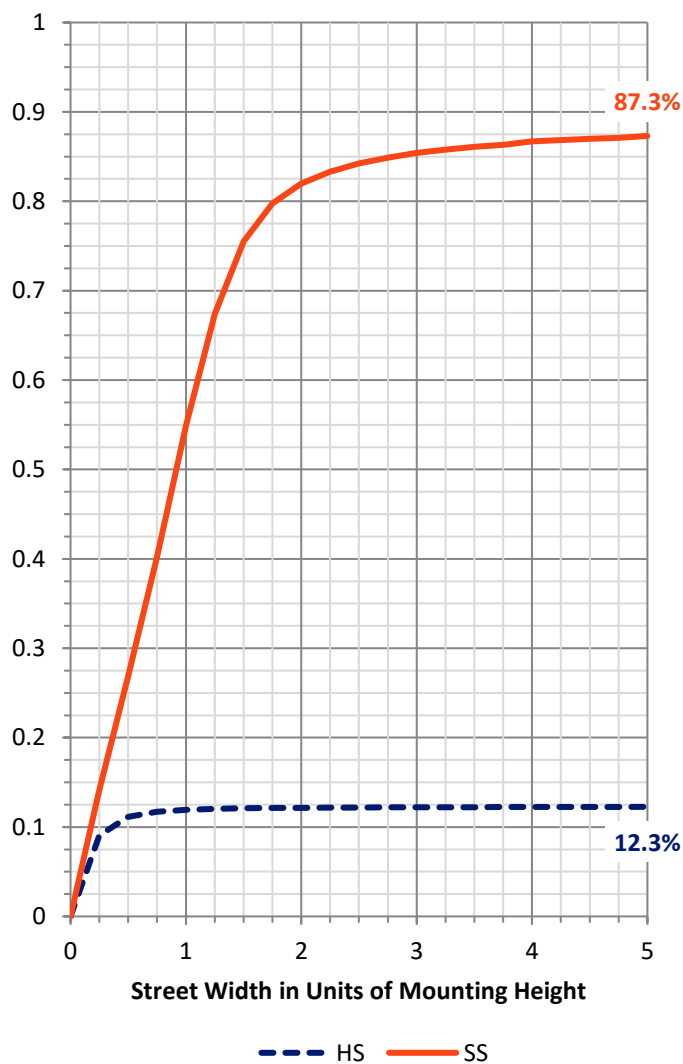
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1680.6	0.0	1680.6
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	11908.4	0.0	11908.4
	% Fixture	87.6	0.0	87.6
Total	Lumens	13589.0	0.0	13589.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.3	1.1
10°-20°	429.9	3.2
20°-30°	673.7	5.0
30°-40°	1086.2	8.0
40°-50°	1996.0	14.7
50°-60°	3371.0	24.8
60°-70°	3726.8	27.4
70°-80°	1950.6	14.4
80°-90°	209.5	1.5
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°	13589.0	100.0
0°-180°	13589.0	100.0

Coefficient of Utilization

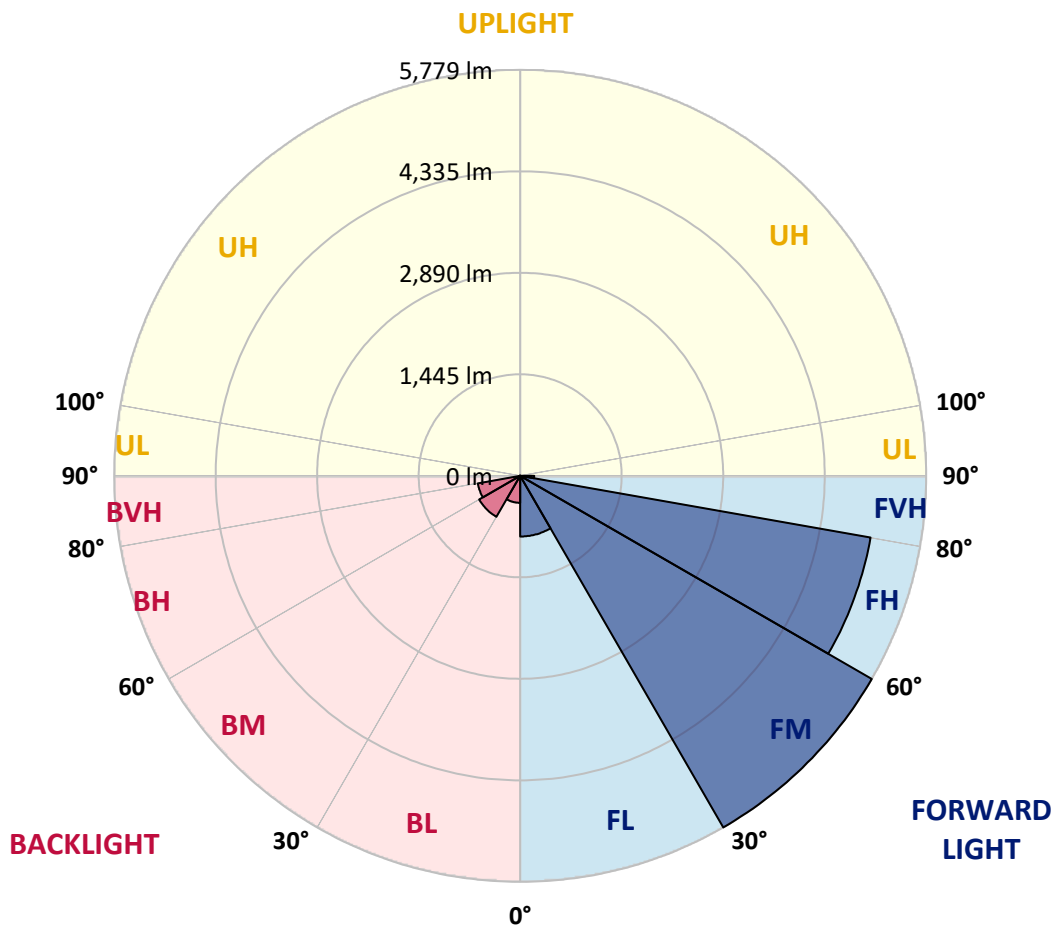


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.0	6.4			
FM (30°-60°)	5779.5	42.5			
FH (60°-80°)	5064.4	37.3			G3/7500
FVH (80°-90°)	200.5	1.5			G2/225
BL (0°-30°)	384.8	2.8	B1/500		
BM (30°-60°)	673.8	5.0	B1/1000		
BH (60°-80°)	613.0	4.5	B2/1000		G2/1000
BVH (80°-90°)	8.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4
2.5°	1366.3	1320.1	1241.5	1264.2	1309.7	1347.7	1329.7	1294.6	1295.3	1259.4	1388.3
5°	1589.6	1527.6	1482.1	1497.9	1495.9	1494.5	1579.3	1611.7	1625.5	1684.7	1772.3
7.5°	1653.7	1631.7	1584.1	1598.6	1551.0	1554.5	1703.4	1844.0	1866.0	1902.6	2058.4
10°	1628.9	1586.2	1603.4	1603.4	1604.1	1681.3	1781.3	1915.7	1942.6	2083.2	2099.7
12.5°	1602.0	1604.1	1672.3	1659.9	1753.7	1892.2	1926.0	2077.0	2063.9	2185.9	2367.2
15°	1702.0	1754.4	1710.3	1727.5	1736.4	1899.1	1953.6	2154.2	2212.1	2366.5	2484.4
17.5°	1873.6	1880.5	1788.8	1764.0	1828.8	1875.0	1984.6	2081.1	2119.7	2525.1	2691.9
20°	1904.6	1948.8	1855.7	1712.3	1849.5	1912.9	1989.4	2035.6	2052.2	2574.0	2809.1
22.5°	2091.5	2042.5	1893.6	1784.7	1824.0	1892.9	1940.5	2079.7	2179.0	2481.6	2921.4
25°	2187.3	2174.2	2032.2	1939.1	1899.1	1893.6	2002.5	2108.0	2139.7	2577.4	2949.0
27.5°	2416.8	2387.2	2112.1	2100.4	1968.8	1852.9	2004.6	2194.2	2253.5	2487.1	3052.4
30°	2729.1	2718.1	2352.0	2344.4	2134.9	1926.7	2116.3	2247.2	2211.4	2533.3	3121.3
32.5°	3043.4	3133.0	2758.7	2545.0	2387.9	2197.6	2084.6	2230.7	2294.8	2645.7	3248.2
35°	3423.3	3488.1	3106.9	2951.8	2602.3	2324.5	2294.8	2388.6	2416.1	2779.4	3392.2
37.5°	4087.8	3989.9	3665.2	3401.2	3217.8	2777.4	2631.2	2556.8	2620.9	2960.7	3686.6
40°	4578.6	4516.6	4116.7	3958.9	3537.0	3279.2	2897.3	2827.7	2899.4	3146.8	3891.3
42.5°	5170.7	5041.8	4665.5	4558.6	4124.3	3627.3	3239.9	3264.0	3219.2	3514.3	4250.5
45°	5706.4	5415.5	5205.9	5230.0	4998.4	4327.0	3811.4	3799.6	3762.4	4046.4	4628.2
47.5°	6066.9	5812.5	5608.5	5541.6	5514.0	5557.5	4637.2	4429.0	4401.4	4605.5	5223.1
50°	6260.6	5982.1	5729.8	5743.6	6303.3	6724.5	5489.2	5193.5	5203.8	5416.8	6036.5
52.5°	6130.3	5815.3	5549.2	5807.7	6915.5	7502.8	6899.6	6192.3	6432.2	6377.8	7127.8
55°	5528.5	5254.8	5066.0	5528.5	6982.3	8340.3	8636.0	7695.8	7642.0	7517.9	8240.4
57.5°	4515.9	4280.1	4163.6	4651.7	6250.9	9015.2	10380.1	9395.0	8936.6	8416.8	9164.1
60°	3364.7	3191.0	3069.6	3327.4	4925.3	8359.6	11522.3	10996.3	10465.6	9283.3	9994.0
62.5°	2492.0	2350.6	2221.7	2245.2	3391.6	7189.8	11960.7	12692.8	12388.1	10198.1	10777.1
65°	1988.7	1859.8	1769.5	1717.8	2100.4	5409.2	11350.7	14083.2	14434.8	11059.8	11342.4
67.5°	1624.1	1515.2	1470.4	1529.6	1647.5	3083.4	9721.1	14927.0	15437.1	11973.8	11481.6
70°	1321.5	1231.9	1227.0	1387.0	1517.2	1879.8	7150.5	14344.5	14728.4	12129.6	10646.9
72.5°	921.0	881.7	944.4	1171.2	1503.5	1565.5	4106.4	11870.4	11884.2	10713.0	8757.4
75°	521.1	514.9	614.2	934.1	1464.2	1549.6	2289.3	8388.6	8394.8	8102.5	6066.9
77.5°	286.8	268.2	357.8	631.4	1257.4	1513.8	1476.6	5727.7	5580.9	4509.0	2771.1
80°	132.4	124.8	193.7	404.6	919.6	1431.8	1183.6	3148.2	2838.7	1469.0	676.2
82.5°	54.5	51.7	88.9	259.9	581.1	1153.3	997.5	1396.6	1120.9	279.2	208.9
85°	9.7	10.3	36.5	157.2	325.4	531.5	808.6	663.1	487.4	77.2	114.4
87.5°	0.0	0.0	7.6	37.9	78.6	145.5	328.1	185.4	127.5	22.7	33.8
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°	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4	1157.4
2.5°	1413.8	1402.1	1283.6	1289.1	1297.3	1289.8	1288.4	1255.3	1225.0	1324.9	1323.5
5°	1788.1	1704.7	1622.7	1591.0	1522.8	1433.1	1433.8	1405.6	1376.6	1417.3	1417.3
7.5°	2054.9	1939.8	1835.7	1650.3	1469.7	1306.3	1291.8	1253.2	1209.1	1262.2	1272.5
10°	2117.0	2017.0	1882.6	1610.3	1439.3	1280.1	1105.0	960.9	894.1	863.1	857.5
12.5°	2307.9	2233.5	1932.9	1631.7	1385.6	1116.0	829.3	658.3	541.8	532.9	520.5
15°	2435.4	2383.0	1982.5	1578.6	1158.1	802.4	521.1	399.8	352.9	348.8	342.6
17.5°	2633.3	2542.3	1935.0	1409.7	905.8	529.4	350.2	315.7	321.2	333.6	324.0
20°	2713.9	2536.1	1831.6	1165.0	636.3	355.0	304.0	285.4	299.9	311.6	306.1
22.5°	2796.7	2554.0	1739.9	960.3	415.7	293.7	270.9	261.3	262.6	274.4	275.0
25°	2796.0	2603.6	1633.7	747.9	309.5	261.3	244.7	232.3	227.5	235.8	233.7
27.5°	2931.8	2546.4	1440.0	554.9	272.3	233.7	217.8	202.7	185.4	193.7	193.7
30°	2932.5	2639.5	1304.9	398.4	249.5	208.2	194.4	171.0	151.0	157.9	158.5
32.5°	3010.3	2558.8	1180.1	304.7	231.6	193.0	162.7	141.3	129.6	133.7	133.7
35°	3099.3	2627.8	988.5	268.8	213.7	171.6	139.2	122.0	113.1	116.5	116.5
37.5°	3392.9	2613.3	855.5	250.2	202.0	155.1	126.8	107.5	103.4	105.5	108.2
40°	3499.1	2716.0	674.9	239.2	182.7	139.9	111.7	97.2	91.7	93.1	93.8
42.5°	3769.3	2738.7	539.1	230.2	165.4	121.3	99.3	88.9	82.0	82.0	84.1
45°	4067.8	2796.0	428.8	222.7	151.0	108.9	89.6	81.3	71.0	69.6	72.4
47.5°	4500.0	3015.2	349.5	207.5	133.7	101.3	82.7	70.3	62.0	59.3	62.0
50°	5223.1	3387.4	308.8	188.9	121.3	95.1	73.1	60.0	53.8	50.3	52.4
52.5°	6243.4	4030.6	287.5	171.6	110.3	85.5	65.5	52.4	46.2	43.4	44.8
55°	7376.6	4768.2	277.1	154.4	100.6	75.1	57.2	46.2	40.7	37.2	37.9
57.5°	8424.4	5461.6	266.8	137.9	91.0	66.9	50.3	40.7	35.2	31.7	32.4
60°	9457.1	6015.2	242.0	118.6	82.0	60.0	44.1	35.2	31.7	27.6	27.6
62.5°	10370.4	6346.1	206.1	102.7	73.8	53.1	39.3	31.7	29.0	24.8	24.8
65°	10992.2	6361.2	166.1	88.2	64.8	45.5	34.5	29.6	26.9	22.1	21.4
67.5°	11001.2	5947.6	133.0	78.6	57.2	40.0	31.0	28.3	24.8	20.7	19.3
70°	9846.5	4913.6	111.0	68.9	49.6	35.2	26.9	26.9	24.1	20.0	17.9
72.5°	7876.4	3754.8	93.1	60.0	44.1	30.3	24.8	25.5	23.4	20.0	17.9
75°	5294.1	2153.5	77.2	51.0	38.6	25.5	24.1	24.8	24.1	20.0	17.2
77.5°	2438.2	685.9	60.0	42.0	33.1	21.4	23.4	23.4	22.1	17.9	15.2
80°	549.4	168.9	43.4	31.0	26.9	15.9	21.4	19.3	17.2	12.4	9.0
82.5°	199.9	51.7	26.2	19.3	16.5	6.2	13.8	13.8	12.4	9.0	5.5
85°	114.4	26.9	14.5	12.4	9.0	2.8	7.6	8.3	6.9	6.2	2.8
87.5°	37.2	6.2	6.9	7.6	6.9	1.4	2.8	2.8	2.1	1.4	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)