

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P368049

Luminaire Tested: **PMM-SA3C-830-U-T4W-HSS**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P368049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-15)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3C-830-U-T4W-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10906 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

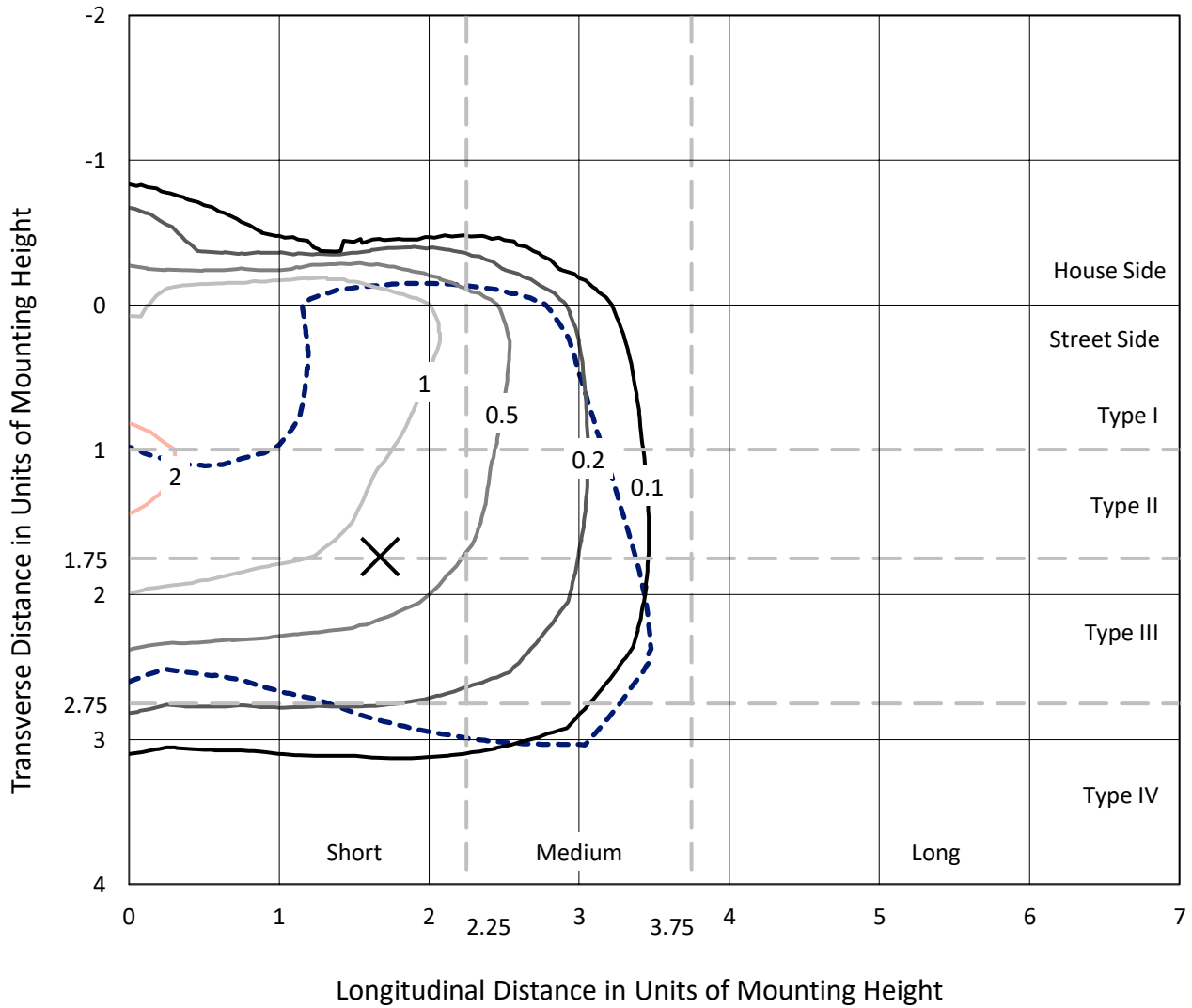
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

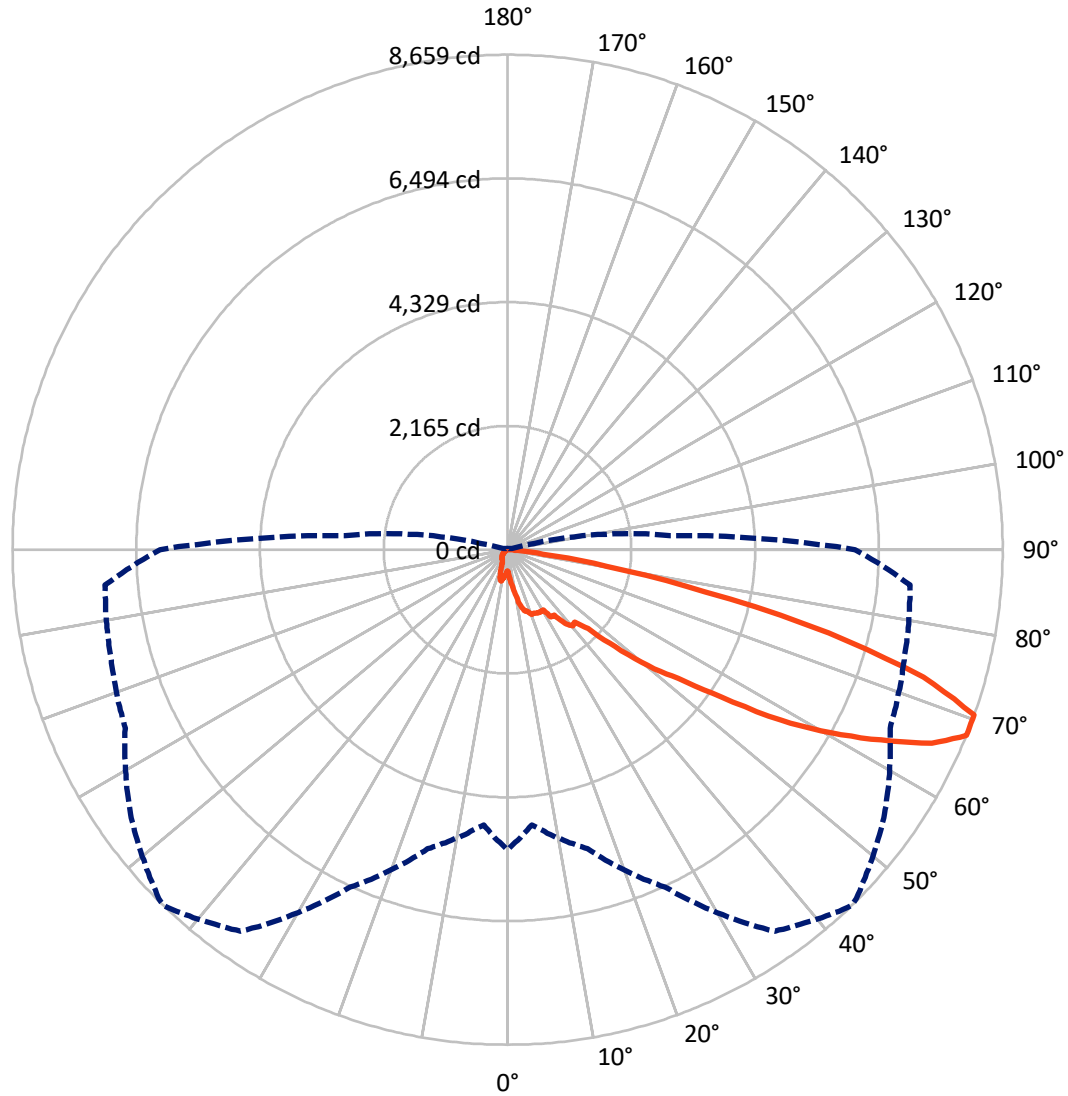
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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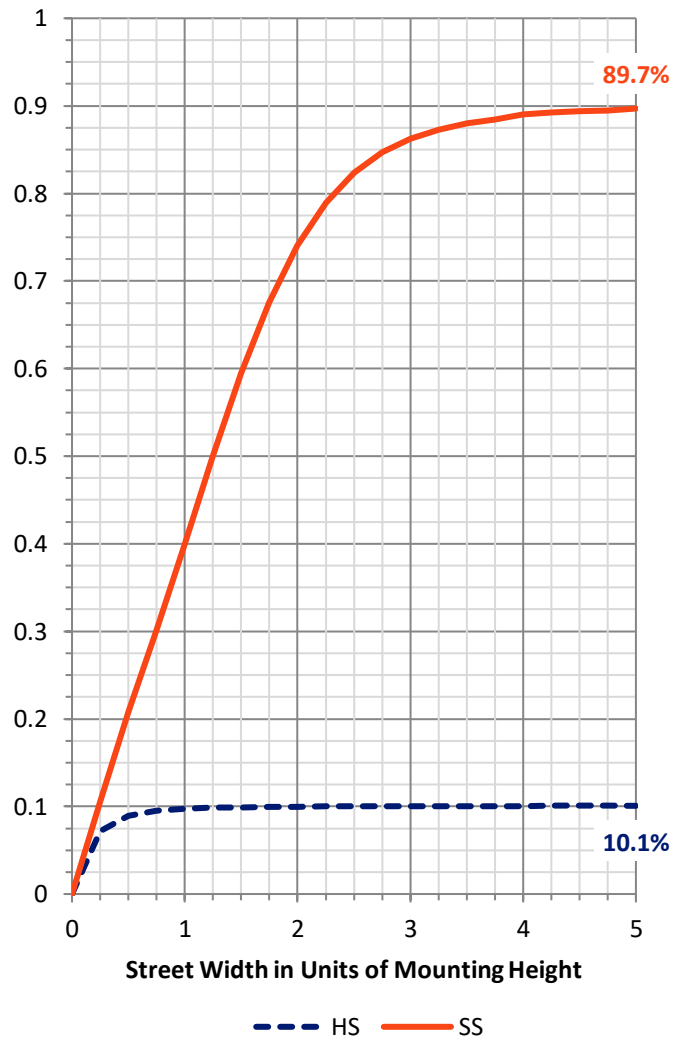
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.8	0.0	1107.8
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	9798.1	0.0	9798.1
	% Fixture	89.8	0.0	89.8
Total	Lumens	10906.0	0.0	10906.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	0.5
10°-20°	228.0	2.1
20°-30°	403.9	3.7
30°-40°	656.5	6.0
40°-50°	1313.8	12.0
50°-60°	2695.2	24.7
60°-70°	3702.5	33.9
70°-80°	1740.2	16.0
80°-90°	111.4	1.0
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°	10906.0	100.0
0°-180°	10906.0	100.0

Coefficient of Utilization

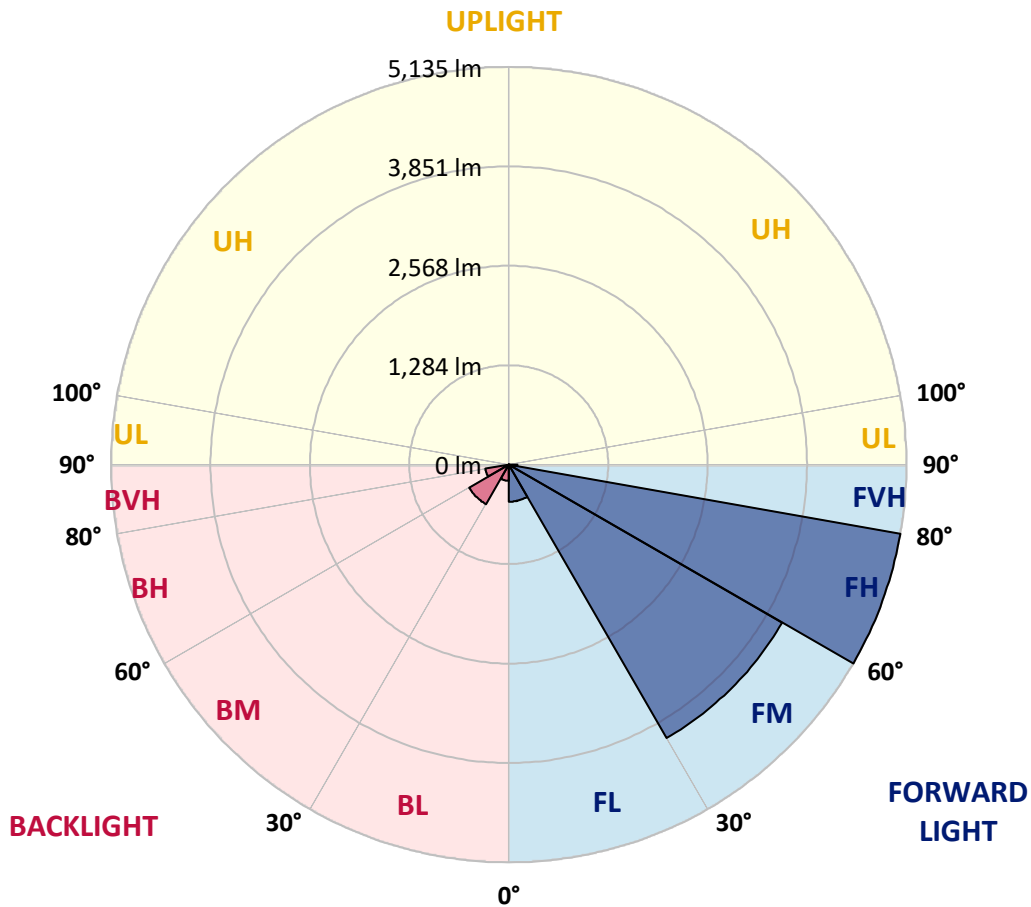


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.4	4.4			
FM (30°-60°)	4075.4	37.4			
FH (60°-80°)	5135.2	47.1			G3/7500
FVH (80°-90°)	109.2	1.0			G2/225
BL (0°-30°)	208.0	1.9	B1/500		
BM (30°-60°)	590.1	5.4	B1/1000		
BH (60°-80°)	307.4	2.8	B1/500		G1/500
BVH (80°-90°)	2.3	0.0			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°	44°	45°	55°	65°	75°	85°
0°	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4
2.5°	467.3	452.2	430.6	435.4	437.8	444.4	445.0	436.6	412.5	405.9	435.4
5°	654.9	618.2	611.6	597.8	570.1	555.1	551.5	566.5	547.3	541.2	549.1
7.5°	836.5	805.3	771.0	752.3	694.6	659.1	657.3	663.3	666.9	645.9	656.7
10°	957.4	923.1	915.9	872.0	822.1	813.7	810.1	787.2	768.6	752.9	700.6
12.5°	1066.9	1066.3	1079.5	1016.3	1008.5	1016.9	1013.9	932.1	913.5	847.9	832.9
15°	1212.4	1248.5	1191.3	1138.4	1071.1	1099.9	1092.1	1039.8	1027.2	982.7	918.3
17.5°	1363.3	1373.0	1277.3	1196.1	1178.7	1140.8	1148.6	1130.0	1066.3	1101.7	1038.0
20°	1366.9	1388.0	1285.8	1151.6	1205.2	1203.4	1204.0	1185.9	1101.7	1184.7	1126.4
22.5°	1417.5	1365.7	1270.7	1185.3	1194.9	1204.0	1213.6	1191.3	1173.3	1193.7	1204.6
25°	1397.0	1376.6	1285.2	1228.6	1219.6	1226.8	1229.2	1257.5	1246.1	1295.4	1268.3
27.5°	1449.9	1420.5	1256.9	1267.1	1235.2	1226.8	1212.4	1306.8	1340.5	1301.4	1373.6
30°	1540.7	1536.5	1305.6	1320.6	1296.0	1222.0	1260.5	1383.8	1425.9	1401.8	1489.6
32.5°	1682.7	1697.1	1448.1	1350.7	1363.3	1396.4	1382.0	1383.8	1490.2	1543.7	1613.5
35°	1884.1	1876.3	1587.0	1465.0	1398.8	1404.2	1424.7	1522.7	1660.4	1656.8	1730.8
37.5°	2279.8	2194.4	1833.0	1581.6	1601.5	1628.5	1613.5	1745.2	1758.4	1763.3	1940.1
40°	2863.2	2749.5	2220.9	1827.6	1636.4	1756.0	1748.8	1781.3	1869.7	1902.8	2160.8
42.5°	3631.7	3479.0	2903.5	2279.8	1804.7	1722.4	1766.9	1828.2	2125.3	2219.7	2502.4
45°	4480.9	4171.8	3584.2	2924.5	2226.9	1971.3	2005.0	2119.3	2531.2	2687.6	2999.7
47.5°	5031.2	4759.3	4258.4	3495.8	2667.1	2533.0	2536.0	2560.7	3008.1	3298.0	3716.5
50°	5509.3	5220.0	4755.1	4093.0	3445.9	3192.1	3134.4	3020.7	3615.5	4011.8	4476.1
52.5°	6184.0	5846.0	5251.9	4793.6	4334.2	3736.4	3715.9	3754.4	4331.8	4748.5	5254.9
55°	6792.6	6381.9	5814.8	5526.1	5346.9	4536.2	4553.7	4618.0	5251.3	5472.0	5947.7
57.5°	7061.4	6616.4	6324.7	6194.8	6099.2	5628.9	5570.0	5531.5	5976.5	6060.7	6673.5
60°	7237.6	6814.3	6682.0	6712.0	7001.9	6502.7	6449.2	6225.5	6576.7	6645.9	7324.2
62.5°	7126.4	6740.3	6768.6	7019.3	7662.8	7334.5	7179.9	6805.8	7067.4	7123.4	7791.5
65°	6425.8	6023.4	6386.7	6993.5	8166.8	8159.0	8087.4	7341.7	7339.3	7410.8	7827.6
67.5°	5248.9	4826.7	5414.2	6508.8	8145.7	8658.7	8625.0	8052.5	7378.4	7187.1	7063.8
70°	3649.2	3282.9	3949.3	5375.2	7419.9	8655.1	8601.0	8530.0	7069.2	6186.4	5476.8
72.5°	1896.2	1694.7	2315.3	3703.9	5914.6	7604.5	7783.1	7666.4	6036.1	4494.7	3225.2
75°	644.1	577.9	955.0	1965.9	3931.8	5806.9	6016.2	5897.8	4099.6	2411.5	1275.5
77.5°	249.6	232.1	342.2	798.0	1972.5	3538.5	3765.9	3645.0	2198.7	883.4	300.1
80°	141.9	137.1	188.8	359.6	869.6	1760.2	1920.2	1741.6	792.6	297.7	78.2
82.5°	60.1	61.9	105.2	194.2	437.2	621.2	692.8	632.1	332.0	203.9	28.9
85°	13.2	16.2	49.9	108.2	183.4	177.4	185.8	206.3	203.9	149.7	12.6
87.5°	0.0	0.0	15.6	29.5	43.9	28.9	22.9	40.3	62.5	60.1	5.4
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°	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4
2.5°	440.8	434.8	396.9	394.5	396.9	390.3	389.7	375.9	377.1	408.3	410.7
5°	549.1	519.0	486.5	476.3	466.7	445.0	457.1	457.1	457.1	476.9	482.9
7.5°	647.1	606.8	561.1	522.6	485.3	458.3	476.9	490.1	497.9	523.8	535.8
10°	691.6	651.9	611.0	556.3	527.4	517.2	495.5	484.1	497.9	492.5	499.1
12.5°	786.6	750.5	680.2	623.6	602.0	567.1	503.4	458.9	429.4	424.6	423.4
15°	879.2	857.0	762.6	686.8	611.6	531.0	422.2	363.2	332.0	326.6	327.2
17.5°	996.5	964.6	825.7	716.8	589.4	444.4	325.9	275.4	273.0	286.3	287.5
20°	1074.7	1022.3	857.6	692.2	516.0	336.2	255.0	243.0	262.2	286.3	283.9
22.5°	1149.2	1092.7	899.7	670.5	399.9	255.0	234.5	235.7	252.0	277.8	284.5
25°	1198.6	1178.1	951.4	620.0	304.9	220.7	224.3	233.3	247.2	271.8	271.8
27.5°	1347.1	1251.5	945.4	522.0	234.5	205.7	214.1	225.5	232.7	262.2	265.2
30°	1437.3	1406.0	976.6	422.2	205.7	186.4	202.7	212.9	217.7	251.4	252.6
32.5°	1548.0	1478.8	1014.5	311.5	191.2	185.2	181.6	189.4	203.3	232.7	234.5
35°	1682.7	1662.2	960.4	244.8	186.4	173.2	166.0	170.2	179.2	199.1	203.3
37.5°	1957.5	1836.0	927.9	209.9	186.4	169.0	161.2	150.3	151.5	165.4	173.2
40°	2189.0	2151.7	837.1	203.9	178.0	163.0	143.7	130.5	121.5	125.7	128.7
42.5°	2614.2	2441.6	719.9	200.9	170.2	147.3	122.1	108.2	94.4	95.6	100.4
45°	3130.2	2757.9	615.2	197.9	164.8	131.7	102.8	86.6	72.2	72.8	77.6
47.5°	3819.4	3219.2	488.3	188.8	155.2	117.3	83.0	66.2	57.7	59.5	63.7
50°	4602.4	3623.9	386.1	175.0	143.7	103.4	67.4	53.5	50.5	52.3	57.1
52.5°	5301.8	3922.2	318.7	162.4	127.5	84.2	56.5	47.5	46.3	47.5	51.1
55°	5923.6	4095.4	266.4	147.9	109.5	68.0	51.1	43.9	43.3	42.7	45.1
57.5°	6507.0	4145.3	208.1	125.1	89.0	58.9	47.5	40.9	39.7	37.9	39.7
60°	6932.1	4059.9	152.8	100.4	72.8	53.5	44.5	36.7	34.9	31.9	33.1
62.5°	7137.2	3826.0	115.5	80.6	61.9	48.7	39.7	31.9	29.5	25.9	26.5
65°	6942.4	3440.5	90.8	68.0	52.9	40.9	33.7	27.1	24.1	20.4	20.4
67.5°	6079.4	2854.2	77.0	58.9	44.5	34.9	27.7	24.7	19.8	16.8	16.2
70°	4462.3	2053.1	66.2	51.7	38.5	30.1	23.5	22.3	19.2	16.2	15.0
72.5°	2518.6	1161.9	56.5	45.7	32.5	25.3	19.8	20.4	18.6	15.0	13.8
75°	961.0	391.5	46.9	37.9	26.5	19.2	16.8	16.8	16.8	12.6	10.8
77.5°	238.1	99.8	37.3	30.7	21.0	12.6	13.8	14.4	14.4	10.8	7.8
80°	65.6	33.7	22.3	22.3	15.0	7.2	9.6	9.6	7.8	3.6	0.0
82.5°	24.1	12.6	7.8	9.6	6.6	2.4	3.6	2.4	1.8	0.0	0.0
85°	10.2	6.6	4.8	5.4	3.0	0.0	0.6	1.2	0.0	0.0	0.0
87.5°	4.2	3.0	2.4	2.4	1.2	0.0	0.0	0.0	0.0	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)