

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: P367805

Luminaire Tested: **PMM-SA3B-727-U-T4FT-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-13)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3B-727-U-T4FT-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9206 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

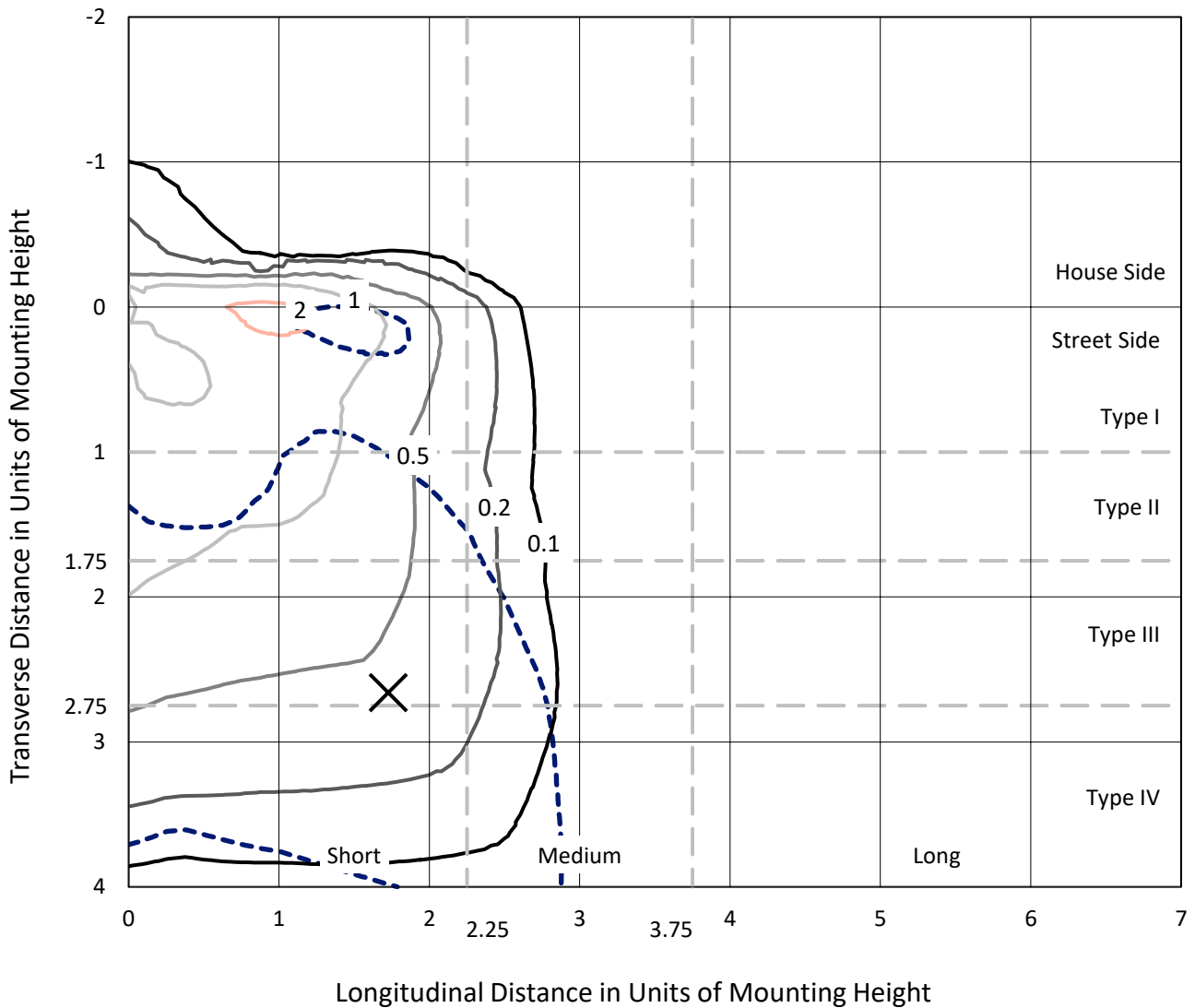
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

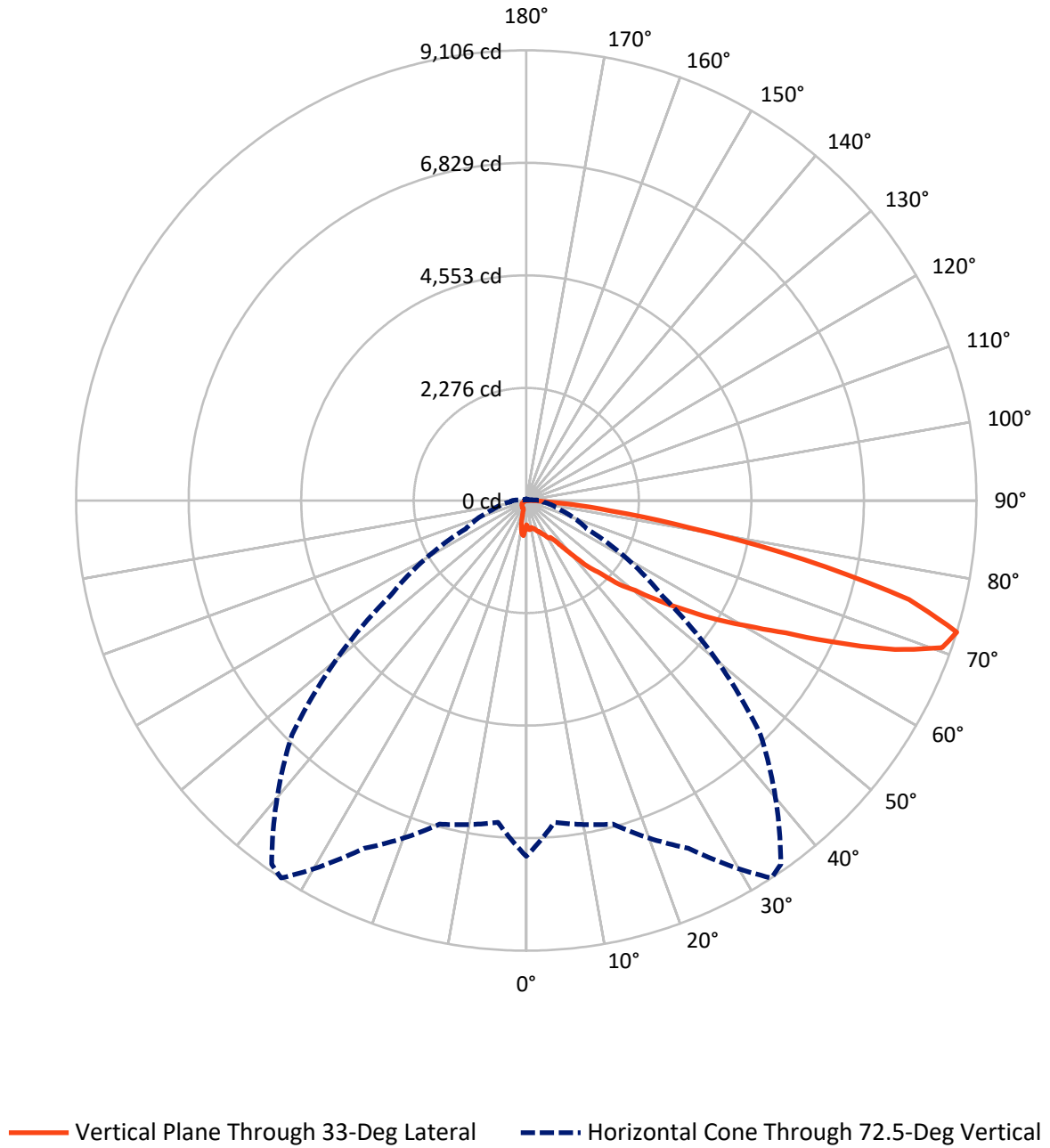
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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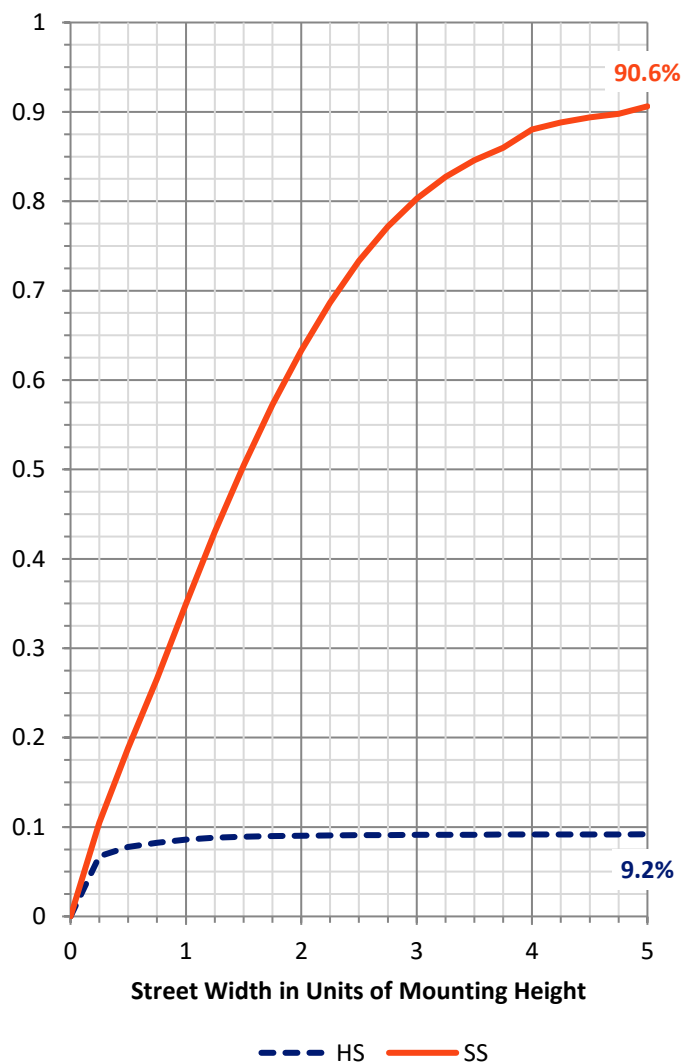
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	851.2	0.0	851.2
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	8354.8	0.0	8354.8
	% Fixture	90.8	0.0	90.8
Total	Lumens	9206.0	0.0	9206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	0.7
10°-20°	188.8	2.1
20°-30°	320.3	3.5
30°-40°	586.1	6.4
40°-50°	1237.1	13.4
50°-60°	2069.7	22.5
60°-70°	2770.4	30.1
70°-80°	1809.7	19.7
80°-90°	160.4	1.7
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°	9206.0	100.0
0°-180°	9206.0	100.0

Coefficient of Utilization

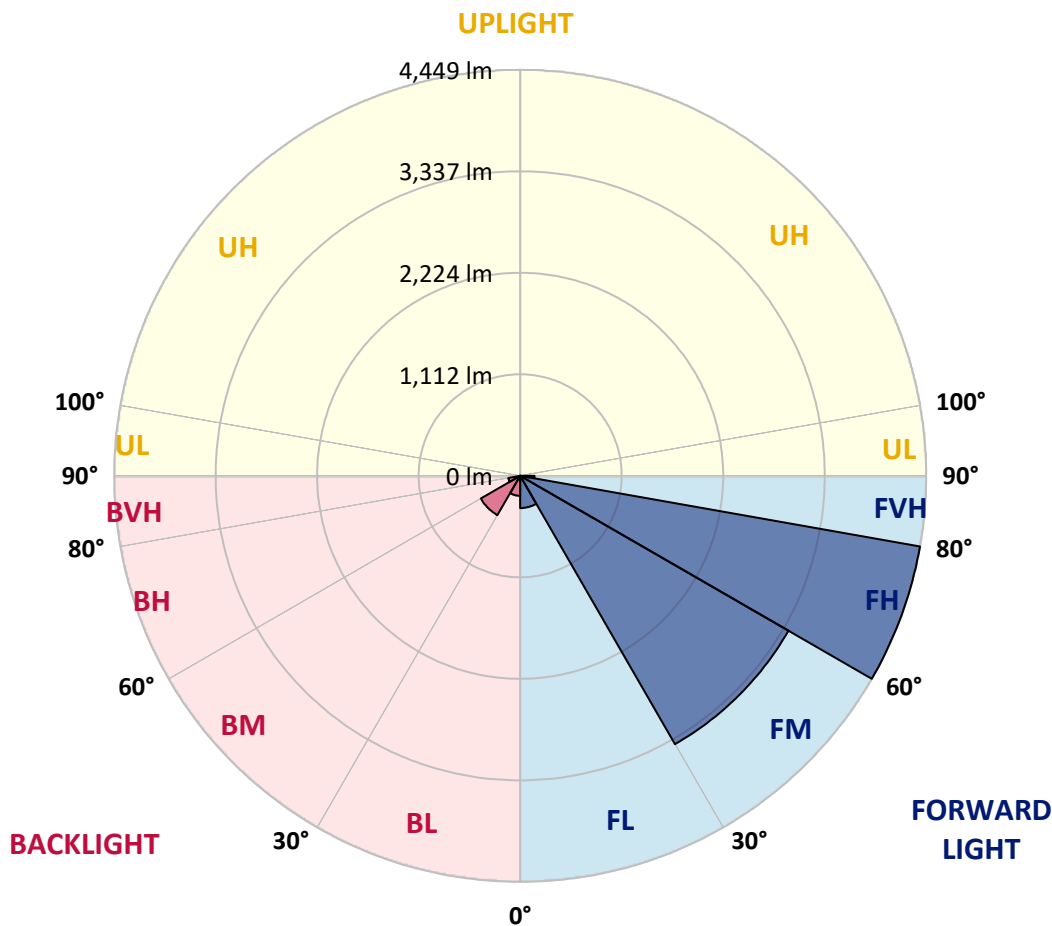


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.4	3.8			
FM (30°-60°)	3395.3	36.9			
FH (60°-80°)	4448.7	48.3			G2/5000
FVH (80°-90°)	157.3	1.7			G2/225
BL (0°-30°)	219.1	2.4	B1/500		
BM (30°-60°)	497.6	5.4	B1/1000		
BH (60°-80°)	131.4	1.4	B1/500		G1/500
BVH (80°-90°)	3.1	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7
2.5°	583.7	561.2	528.5	530.5	536.2	540.8	553.0	547.9	538.2	537.7	583.7
5°	618.5	593.4	591.4	594.4	592.9	601.1	590.9	624.1	652.2	685.9	740.1
7.5°	601.6	589.8	575.0	590.3	589.8	585.7	592.4	659.9	727.8	770.8	860.2
10°	553.0	539.7	551.0	556.1	552.5	570.4	614.9	670.1	751.3	841.3	884.7
12.5°	539.2	547.4	551.5	551.5	585.7	594.9	662.9	715.1	811.7	882.7	1008.9
15°	592.9	608.7	580.6	574.5	585.2	590.3	666.0	728.9	852.5	982.4	1088.2
17.5°	678.3	677.2	633.8	609.8	626.6	638.9	680.8	754.4	827.0	1060.6	1213.9
20°	737.0	738.1	659.9	609.8	665.5	672.6	719.1	777.9	835.2	1099.9	1296.2
22.5°	812.7	785.6	699.2	650.7	688.5	695.1	746.2	792.7	877.1	1095.3	1401.5
25°	874.5	857.1	748.3	714.5	748.3	739.1	785.6	855.6	922.1	1168.4	1463.3
27.5°	970.6	941.0	783.0	789.2	787.1	793.8	804.5	911.8	1001.3	1172.0	1606.4
30°	1060.1	1042.7	860.7	860.7	880.7	867.9	875.5	1005.4	1078.0	1254.8	1767.5
32.5°	1152.6	1153.6	952.2	903.7	887.8	940.5	992.1	1050.9	1170.5	1396.9	2013.8
35°	1397.4	1377.0	1127.5	1006.4	993.6	990.5	1073.4	1232.3	1334.5	1581.9	2345.5
37.5°	1890.6	1819.6	1504.7	1239.5	1191.4	1175.1	1269.1	1432.2	1533.9	1853.8	2894.0
40°	2396.6	2266.3	1916.7	1617.7	1461.8	1391.3	1500.6	1639.2	1820.1	2154.4	3401.5
42.5°	2840.8	2679.8	2226.9	2025.6	1822.7	1792.0	1689.2	1914.7	2229.0	2591.9	3898.8
45°	3273.7	2956.8	2503.0	2343.5	2097.1	2114.5	2079.7	2275.0	2653.7	3071.3	4339.9
47.5°	3571.7	3287.0	2841.3	2634.3	2535.7	2434.0	2710.0	2912.9	3032.0	3375.9	4721.2
50°	3892.7	3604.4	3132.1	2987.5	2857.7	2960.4	3318.7	3345.8	3336.1	3660.1	4980.9
52.5°	4307.2	3967.3	3465.9	3302.3	3375.9	3478.2	3891.7	3896.8	3606.5	3899.3	5167.9
55°	4690.5	4313.8	3910.6	3756.2	3910.1	3996.4	4454.9	4286.8	3763.9	4061.9	5259.9
57.5°	5230.8	4794.8	4501.9	4230.0	4541.8	4459.0	4950.2	4700.3	3940.7	4169.7	5226.2
60°	5913.7	5400.5	5107.1	4819.3	5153.6	5209.8	5433.7	4906.7	4009.2	4205.0	5023.3
62.5°	6608.3	6092.0	5706.1	5510.9	5890.1	6075.2	5881.4	5009.5	3926.9	4136.0	4563.8
65°	7470.0	6809.1	6358.3	6243.8	6946.6	7218.5	6411.0	5034.5	3768.0	3756.2	3669.3
67.5°	8060.4	7416.9	7003.4	7195.0	8044.0	8066.0	6886.3	5042.2	3232.8	2941.0	2408.4
70°	8200.4	7511.4	7326.4	7890.7	8919.5	8643.0	7039.6	4653.7	2397.7	1745.5	1101.0
72.5°	7198.6	6535.2	6775.9	7759.3	9105.6	8978.8	6700.8	3357.5	1349.9	698.2	337.8
75°	4415.6	4014.3	5083.1	6578.6	7992.9	7911.1	5227.7	1734.7	543.8	279.1	126.2
77.5°	1920.3	1783.3	2652.7	4365.0	5743.4	5670.4	3063.1	638.9	281.1	196.3	63.9
80°	635.3	616.4	1004.9	2067.0	3364.2	3299.8	1290.6	265.8	200.4	157.4	35.8
82.5°	150.8	149.8	350.6	951.2	1713.8	1660.1	396.1	146.7	145.2	124.2	18.9
85°	37.8	38.8	97.1	389.0	696.1	613.9	103.2	73.1	102.2	84.3	9.7
87.5°	0.0	0.0	25.0	55.7	105.3	65.9	11.2	19.4	28.6	30.2	5.1
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°	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7
2.5°	593.9	588.3	542.3	553.5	570.9	569.4	580.6	571.9	564.3	602.1	598.5
5°	755.4	724.8	710.5	730.4	719.7	694.6	715.6	712.0	705.9	718.6	728.3
7.5°	876.6	848.5	835.7	793.8	732.9	684.9	692.6	674.7	657.8	677.7	698.2
10°	916.4	901.1	899.6	817.8	760.5	691.0	608.7	537.7	518.8	493.7	505.0
12.5°	1024.8	1034.0	976.2	880.7	770.3	636.9	490.7	390.0	349.1	322.5	324.0
15°	1113.7	1145.9	1062.1	890.4	677.7	485.6	326.6	236.1	210.6	203.9	201.9
17.5°	1246.1	1277.3	1088.7	821.4	546.4	329.2	210.1	184.0	185.5	190.1	189.1
20°	1344.2	1339.6	1065.7	699.2	402.8	215.7	175.8	172.2	180.4	193.7	190.6
22.5°	1438.8	1407.1	1051.4	586.3	260.7	173.3	169.7	169.2	176.8	189.6	193.2
25°	1506.3	1511.4	1027.3	459.0	189.6	161.0	164.1	168.7	176.3	190.1	188.1
27.5°	1699.5	1556.4	927.2	333.2	160.0	154.4	162.0	171.2	173.8	191.2	191.7
30°	1824.7	1726.0	861.7	224.4	147.7	142.6	157.9	170.2	173.3	195.8	197.3
32.5°	2042.9	1799.1	786.1	166.6	137.5	139.0	148.7	165.1	179.4	203.4	204.4
35°	2314.3	2033.7	649.1	149.8	133.9	131.4	136.0	154.9	178.4	204.4	209.6
37.5°	2831.1	2174.3	514.7	145.2	133.9	129.3	133.9	145.2	175.3	214.7	225.4
40°	3177.1	2460.5	371.1	144.1	131.4	127.3	128.8	140.0	166.6	208.5	224.4
42.5°	3603.4	2581.2	273.4	141.6	128.8	122.7	123.7	138.0	157.9	195.8	207.5
45°	3952.5	2669.1	215.2	140.6	122.7	120.6	122.7	136.5	149.8	168.2	178.9
47.5°	4217.8	2771.3	172.8	133.9	121.1	120.6	118.1	127.8	136.0	140.6	147.7
50°	4412.0	2748.3	143.1	123.7	116.0	119.1	114.5	116.0	118.1	115.5	123.7
52.5°	4531.1	2665.5	119.1	111.4	109.9	112.4	106.8	102.2	98.6	96.6	101.7
55°	4574.5	2499.4	101.2	95.6	99.2	100.2	95.6	87.4	81.3	78.2	82.3
57.5°	4492.2	2246.4	87.9	79.2	87.4	87.4	81.3	72.6	65.4	60.3	64.4
60°	4283.7	1966.8	78.2	65.9	74.6	75.1	68.0	58.8	53.2	48.0	50.6
62.5°	3895.2	1662.2	68.5	57.2	64.4	64.9	56.2	47.5	43.4	37.8	39.9
65°	3118.3	1271.2	58.3	50.6	55.7	54.2	46.5	40.4	35.3	30.2	31.2
67.5°	2024.0	784.6	50.6	46.0	47.0	45.5	39.4	35.3	29.6	25.6	26.1
70°	906.2	337.8	44.5	41.4	40.9	38.3	33.2	32.7	29.1	25.6	25.6
72.5°	279.6	127.3	38.3	37.3	35.3	32.2	29.1	31.2	28.6	24.5	24.0
75°	110.4	58.3	31.7	31.7	30.7	26.6	26.1	28.1	26.6	22.5	21.5
77.5°	57.8	36.8	26.1	27.1	26.6	20.4	23.5	25.6	24.5	18.9	15.8
80°	34.2	22.5	19.4	22.0	21.5	14.3	17.9	16.4	11.8	5.6	1.5
82.5°	18.9	10.2	8.7	12.8	12.8	5.1	9.2	8.2	4.6	0.0	0.0
85°	9.2	7.2	6.6	7.2	5.1	1.5	4.6	4.6	2.6	0.0	0.0
87.5°	4.6	4.1	3.1	2.6	2.0	0.0	1.5	2.0	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)