

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: P598297

Luminaire Tested: **PMM-SA1C-835-U-T4FT-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P598297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-13)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1C-835-U-T4FT-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) 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: 3872 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

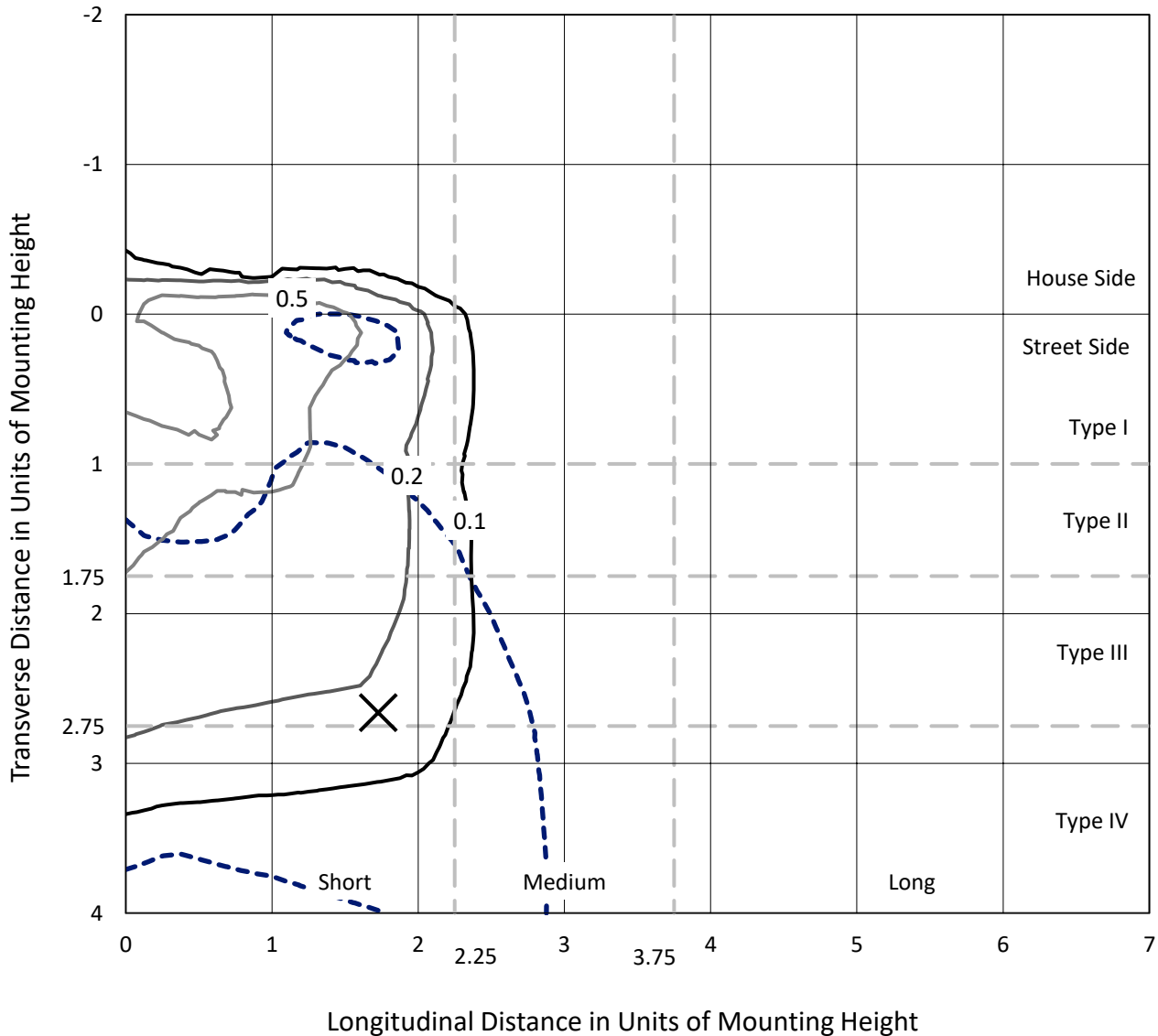
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

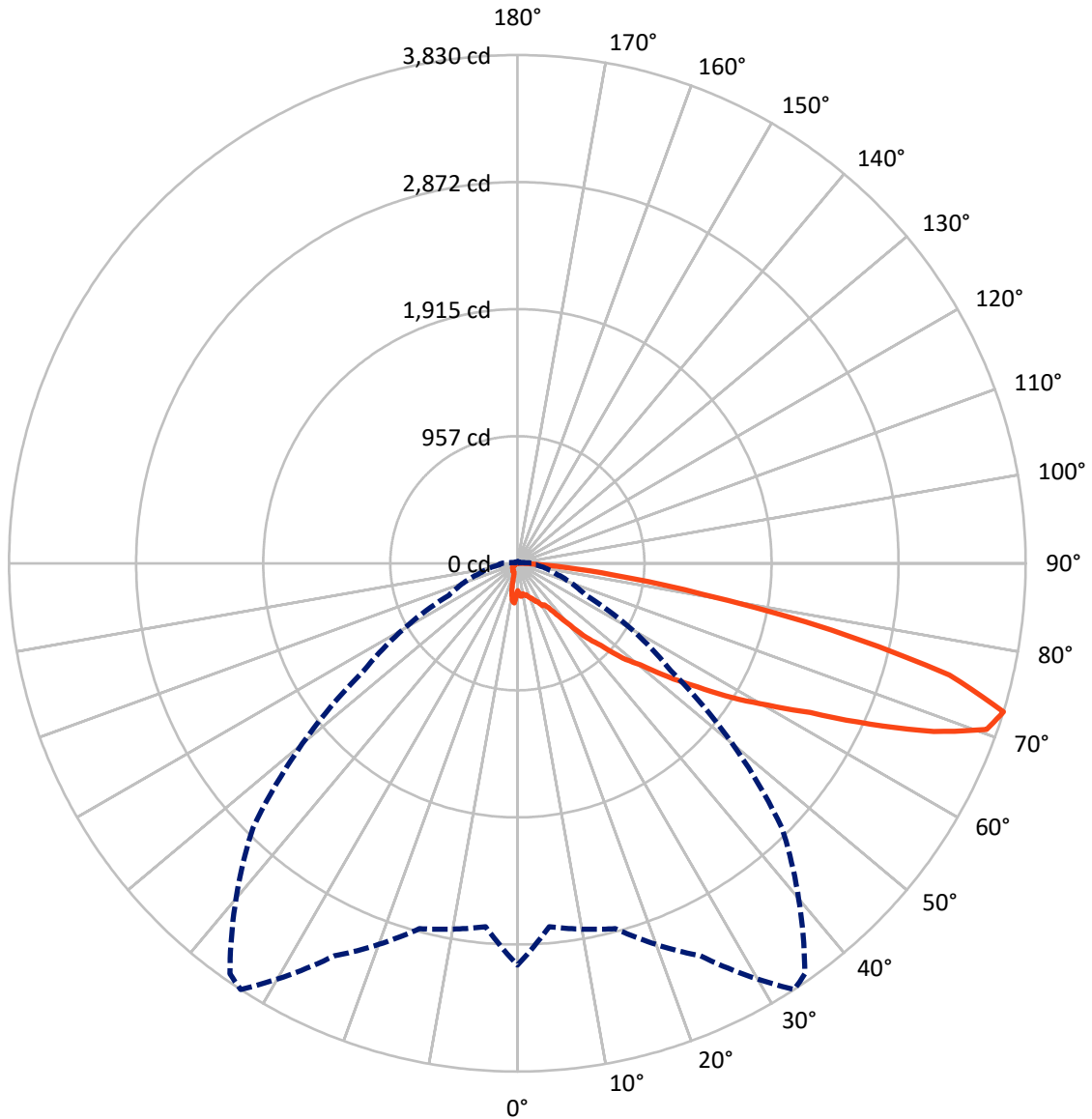
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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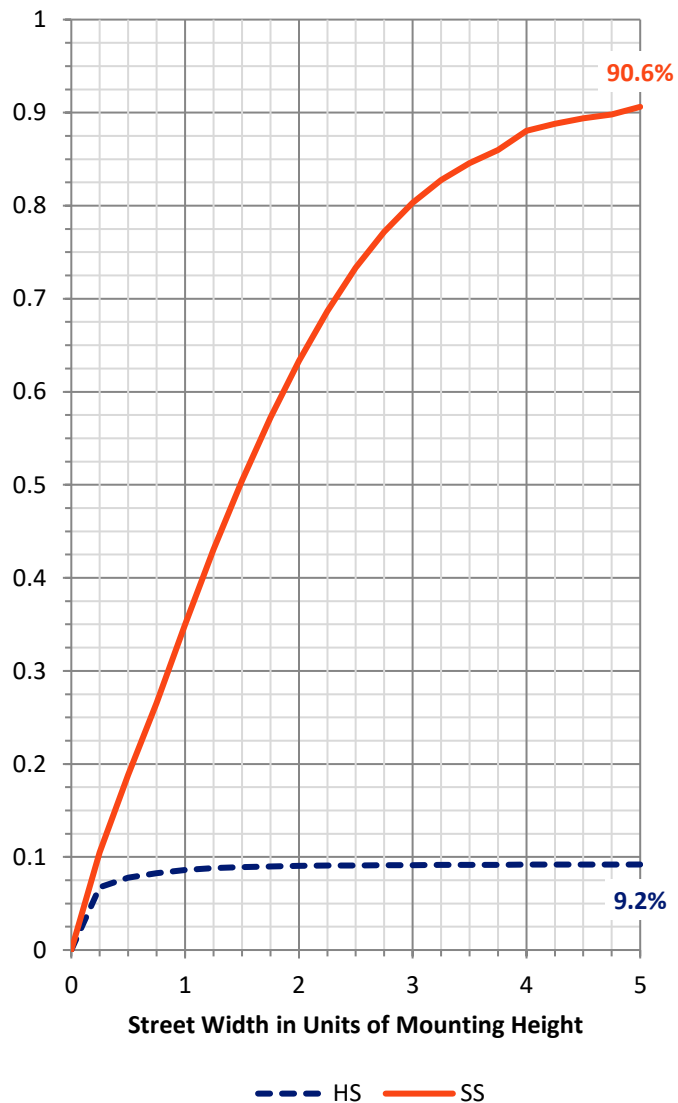
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	358.0	0.0	358.0
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	3514.0	0.0	3514.0
	% Fixture	90.8	0.0	90.8
Total	Lumens	3872.0	0.0	3872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	0.7
10°-20°	79.4	2.1
20°-30°	134.7	3.5
30°-40°	246.5	6.4
40°-50°	520.3	13.4
50°-60°	870.5	22.5
60°-70°	1165.2	30.1
70°-80°	761.1	19.7
80°-90°	67.5	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°	3872.0	100.0
0°-180°	3872.0	100.0

Coefficient of Utilization



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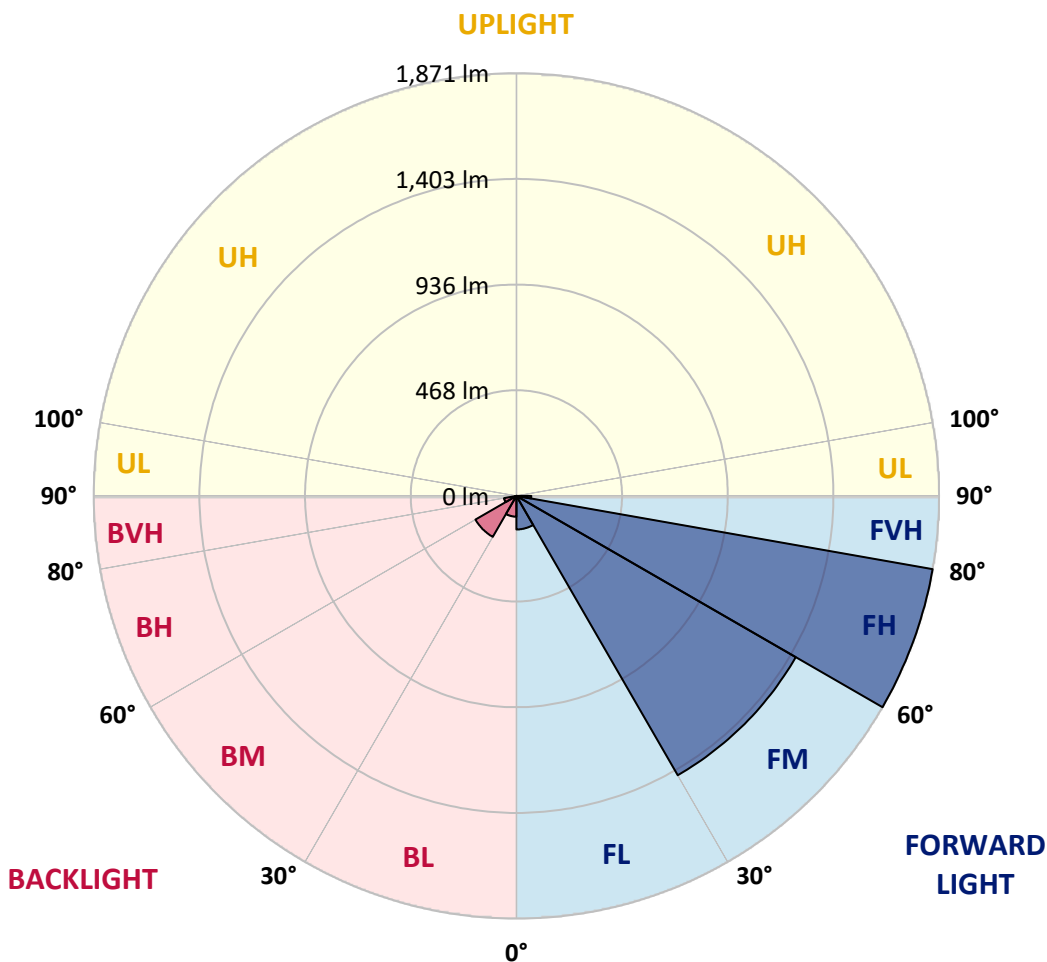
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.6	3.8			
FM (30°-60°)	1428.0	36.9			
FH (60°-80°)	1871.1	48.3			G2/5000
FVH (80°-90°)	66.2	1.7			G1/100
BL (0°-30°)	92.2	2.4	B0/110		
BM (30°-60°)	209.3	5.4	B0/220		
BH (60°-80°)	55.3	1.4	B0/110		G0/110
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9
2.5°	245.5	236.0	222.3	223.1	225.5	227.4	232.6	230.5	226.4	226.2	245.5
5°	260.1	249.6	248.7	250.0	249.4	252.8	248.5	262.5	274.3	288.5	311.3
7.5°	253.0	248.1	241.8	248.3	248.1	246.4	249.2	277.5	306.1	324.2	361.8
10°	232.6	227.0	231.7	233.9	232.4	239.9	258.6	281.8	316.0	353.8	372.1
12.5°	226.8	230.2	232.0	232.0	246.4	250.2	278.8	300.7	341.4	371.3	424.4
15°	249.4	256.0	244.2	241.6	246.1	248.3	280.1	306.6	358.6	413.2	457.7
17.5°	285.3	284.8	266.6	256.5	263.6	268.7	286.3	317.3	347.8	446.1	510.6
20°	310.0	310.4	277.5	256.5	279.9	282.9	302.5	327.2	351.3	462.6	545.2
22.5°	341.8	330.4	294.1	273.7	289.6	292.4	313.9	333.4	368.9	460.7	589.5
25°	367.8	360.5	314.7	300.5	314.7	310.9	330.4	359.9	387.8	491.4	615.5
27.5°	408.2	395.8	329.3	331.9	331.1	333.9	338.4	383.5	421.1	492.9	675.7
30°	445.9	438.5	362.0	362.0	370.4	365.0	368.3	422.9	453.4	527.8	743.4
32.5°	484.8	485.2	400.5	380.1	373.4	395.6	417.3	442.0	492.3	587.5	847.0
35°	587.7	579.1	474.2	423.3	417.9	416.6	451.4	518.3	561.3	665.3	986.5
37.5°	795.2	765.3	632.9	521.3	501.1	494.2	533.8	602.4	645.1	779.7	1217.2
40°	1008.0	953.2	806.2	680.4	614.8	585.2	631.2	689.4	765.5	906.1	1430.7
42.5°	1194.8	1127.1	936.6	851.9	766.6	753.7	710.5	805.3	937.5	1090.1	1639.8
45°	1376.9	1243.6	1052.7	985.7	882.0	889.3	874.7	956.9	1116.1	1291.8	1825.3
47.5°	1502.2	1382.5	1195.0	1108.0	1066.5	1023.7	1139.8	1225.1	1275.2	1419.9	1985.7
50°	1637.2	1516.0	1317.4	1256.5	1201.9	1245.1	1395.8	1407.2	1403.1	1539.4	2094.9
52.5°	1811.6	1668.6	1457.7	1388.9	1419.9	1462.9	1636.8	1639.0	1516.9	1640.0	2173.6
55°	1972.8	1814.4	1644.8	1579.8	1644.6	1680.9	1873.7	1803.0	1583.1	1708.4	2212.3
57.5°	2200.0	2016.7	1893.5	1779.1	1910.3	1875.4	2082.0	1976.9	1657.5	1753.8	2198.1
60°	2487.3	2271.4	2148.0	2027.0	2167.6	2191.2	2285.4	2063.8	1686.3	1768.6	2112.8
62.5°	2779.4	2562.3	2400.0	2317.9	2477.4	2555.2	2473.7	2107.0	1651.6	1739.6	1919.5
65°	3141.9	2863.9	2674.3	2626.1	2921.7	3036.1	2696.4	2117.5	1584.8	1579.8	1543.3
67.5°	3390.1	3119.5	2945.6	3026.2	3383.3	3392.5	2896.3	2120.7	1359.7	1237.0	1013.0
70°	3449.0	3159.3	3081.4	3318.8	3751.5	3635.2	2960.8	1957.3	1008.4	734.1	463.1
72.5°	3027.7	2748.7	2849.9	3263.5	3829.8	3776.5	2818.3	1412.2	567.7	293.7	142.1
75°	1857.2	1688.4	2137.9	2766.9	3361.8	3327.4	2198.8	729.6	228.7	117.4	53.1
77.5°	807.7	750.0	1115.7	1835.9	2415.7	2384.9	1288.3	268.7	118.2	82.6	26.9
80°	267.2	259.3	422.6	869.4	1415.0	1387.9	542.8	111.8	84.3	66.2	15.0
82.5°	63.4	63.0	147.5	400.1	720.8	698.2	166.6	61.7	61.1	52.2	8.0
85°	15.9	16.3	40.8	163.6	292.8	258.2	43.4	30.7	43.0	35.5	4.1
87.5°	0.0	0.0	10.5	23.4	44.3	27.7	4.7	8.2	12.0	12.7	2.1
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°	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9
2.5°	249.8	247.4	228.1	232.8	240.1	239.5	244.2	240.6	237.3	253.2	251.7
5°	317.7	304.8	298.8	307.2	302.7	292.2	301.0	299.5	296.9	302.3	306.3
7.5°	368.7	356.9	351.5	333.9	308.3	288.1	291.3	283.8	276.7	285.1	293.7
10°	385.4	379.0	378.4	344.0	319.9	290.6	256.0	226.2	218.2	207.7	212.4
12.5°	431.0	434.9	410.6	370.4	324.0	267.9	206.4	164.0	146.8	135.6	136.3
15°	468.4	482.0	446.7	374.5	285.1	204.2	137.4	99.3	88.6	85.8	84.9
17.5°	524.1	537.2	457.9	345.5	229.8	138.4	88.4	77.4	78.0	80.0	79.5
20°	565.4	563.4	448.2	294.1	169.4	90.7	74.0	72.4	75.9	81.5	80.2
22.5°	605.2	591.8	442.2	246.6	109.6	72.9	71.4	71.2	74.4	79.8	81.3
25°	633.5	635.7	432.1	193.0	79.8	67.7	69.0	70.9	74.2	80.0	79.1
27.5°	714.8	654.6	390.0	140.2	67.3	64.9	68.1	72.0	73.1	80.4	80.6
30°	767.5	726.0	362.4	94.4	62.1	60.0	66.4	71.6	72.9	82.3	83.0
32.5°	859.3	756.7	330.6	70.1	57.8	58.5	62.6	69.4	75.5	85.6	86.0
35°	973.4	855.4	273.0	63.0	56.3	55.2	57.2	65.1	75.0	86.0	88.1
37.5°	1190.7	914.5	216.5	61.1	56.3	54.4	56.3	61.1	73.7	90.3	94.8
40°	1336.3	1034.9	156.1	60.6	55.2	53.5	54.2	58.9	70.1	87.7	94.4
42.5°	1515.6	1085.6	115.0	59.5	54.2	51.6	52.0	58.0	66.4	82.3	87.3
45°	1662.4	1122.6	90.5	59.1	51.6	50.7	51.6	57.4	63.0	70.7	75.2
47.5°	1774.0	1165.6	72.7	56.3	50.9	50.7	49.7	53.7	57.2	59.1	62.1
50°	1855.7	1155.9	60.2	52.0	48.8	50.1	48.2	48.8	49.7	48.6	52.0
52.5°	1905.7	1121.1	50.1	46.9	46.2	47.3	44.9	43.0	41.5	40.6	42.8
55°	1924.0	1051.2	42.6	40.2	41.7	42.1	40.2	36.8	34.2	32.9	34.6
57.5°	1889.4	944.8	37.0	33.3	36.8	36.8	34.2	30.5	27.5	25.4	27.1
60°	1801.7	827.2	32.9	27.7	31.4	31.6	28.6	24.7	22.4	20.2	21.3
62.5°	1638.3	699.1	28.8	24.1	27.1	27.3	23.6	20.0	18.3	15.9	16.8
65°	1311.6	534.6	24.5	21.3	23.4	22.8	19.6	17.0	14.8	12.7	13.1
67.5°	851.3	330.0	21.3	19.3	19.8	19.1	16.6	14.8	12.5	10.7	11.0
70°	381.1	142.1	18.7	17.4	17.2	16.1	14.0	13.8	12.3	10.7	10.7
72.5°	117.6	53.5	16.1	15.7	14.8	13.5	12.3	13.1	12.0	10.3	10.1
75°	46.4	24.5	13.3	13.3	12.9	11.2	11.0	11.8	11.2	9.5	9.0
77.5°	24.3	15.5	11.0	11.4	11.2	8.6	9.9	10.7	10.3	8.0	6.7
80°	14.4	9.5	8.2	9.2	9.0	6.0	7.5	6.9	4.9	2.4	0.6
82.5°	8.0	4.3	3.7	5.4	5.4	2.1	3.9	3.4	1.9	0.0	0.0
85°	3.9	3.0	2.8	3.0	2.1	0.6	1.9	1.9	1.1	0.0	0.0
87.5°	1.9	1.7	1.3	1.1	0.9	0.0	0.6	0.9	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)