

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: P691018

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3336 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 23.2
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: 24 FT



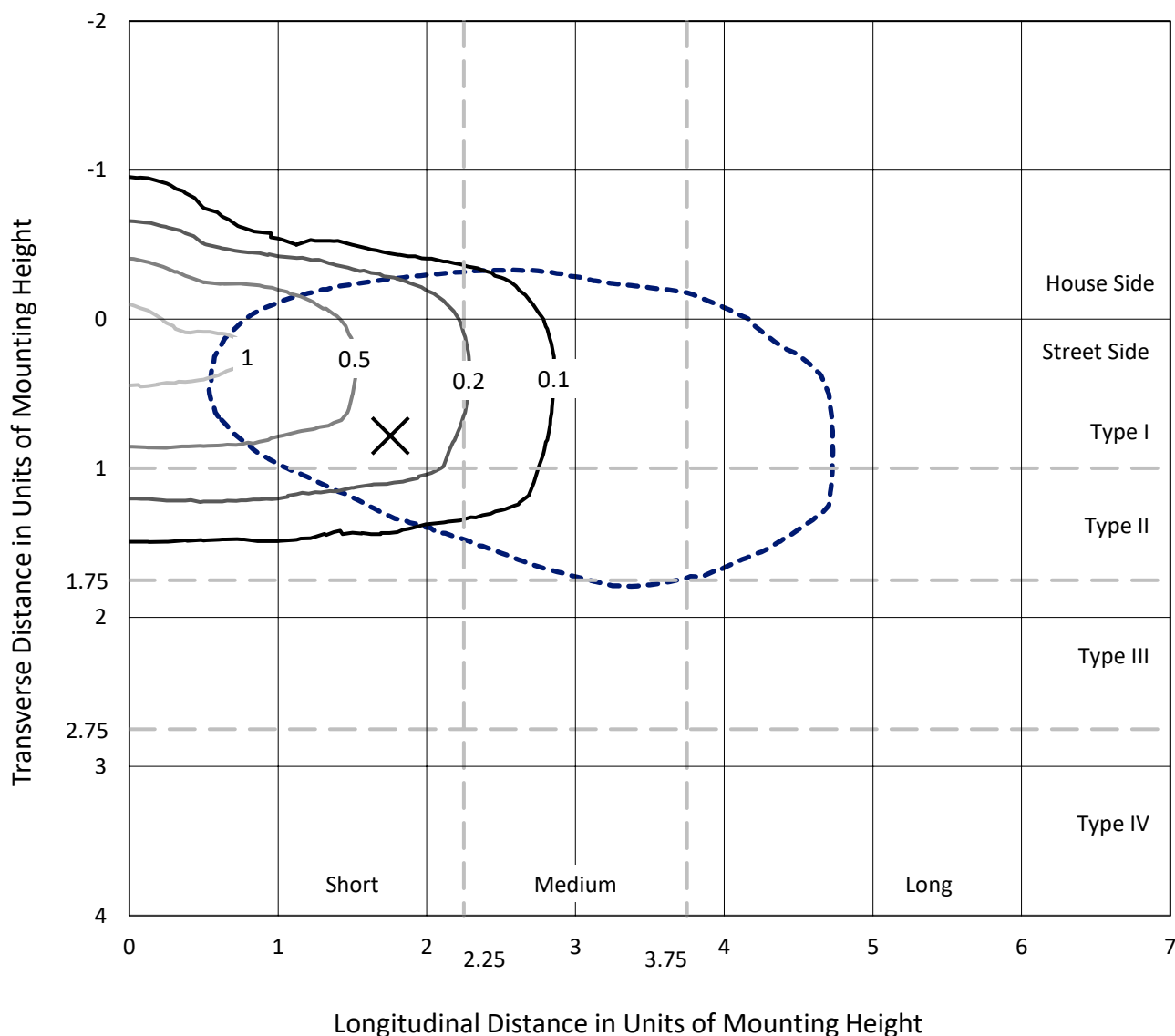
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

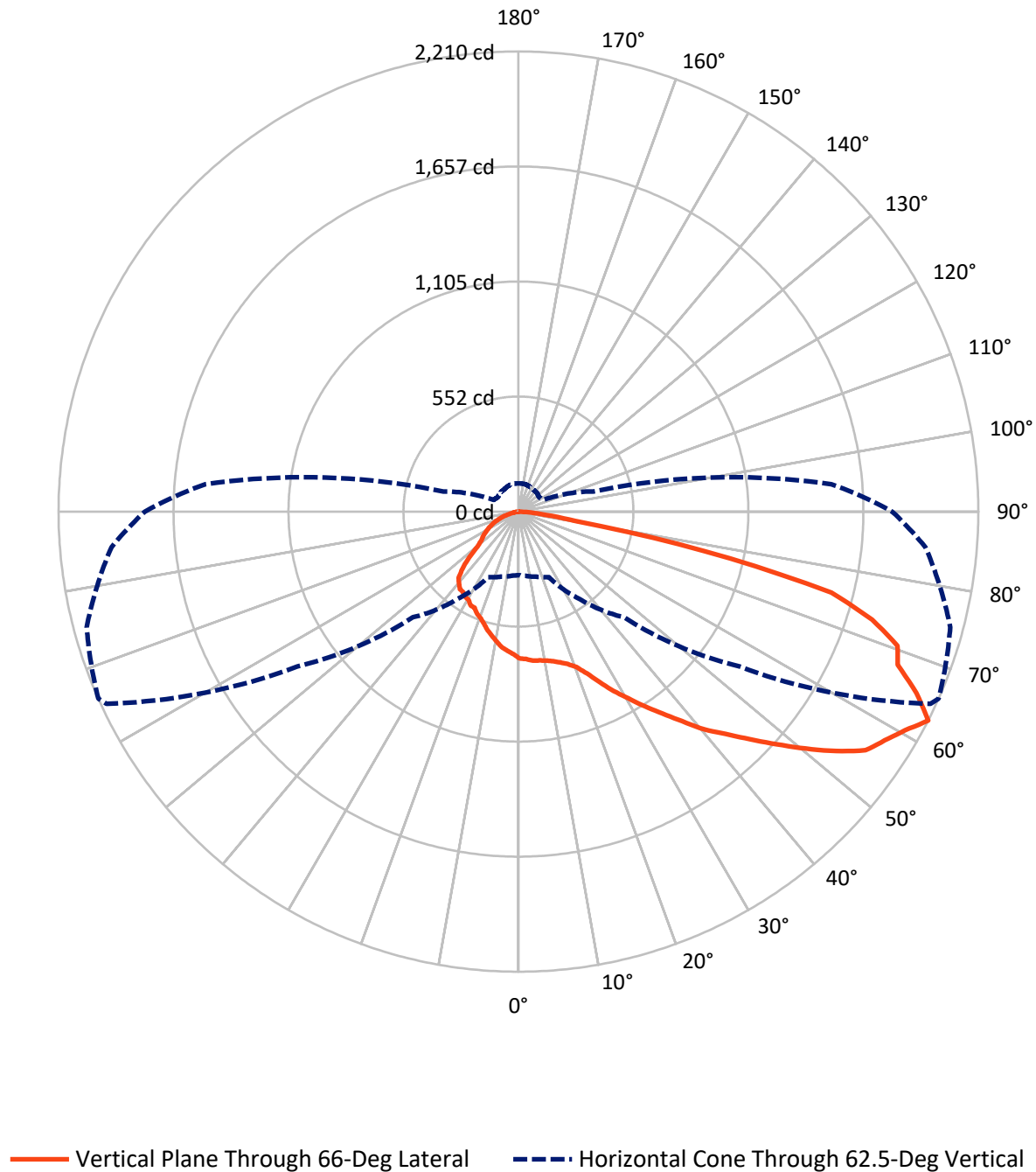


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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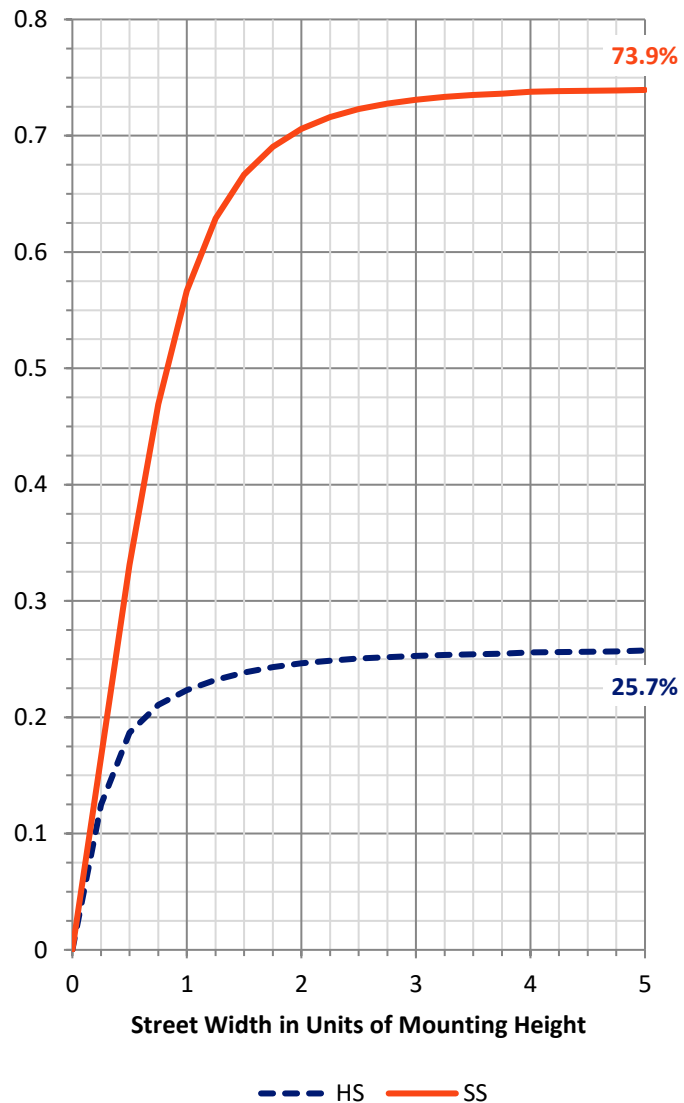
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	871.7	0.0	871.7
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	2464.3	0.0	2464.3
	% Fixture	73.9	0.0	73.9
Total	Lumens	3336.0	0.0	3336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	2.0
10°-20°	187.3	5.6
20°-30°	304.2	9.1
30°-40°	438.7	13.2
40°-50°	570.7	17.1
50°-60°	662.9	19.9
60°-70°	655.8	19.7
70°-80°	406.2	12.2
80°-90°	44.1	1.3
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°	3336.0	100.0
0°-180°	3336.0	100.0

Coefficient of Utilization



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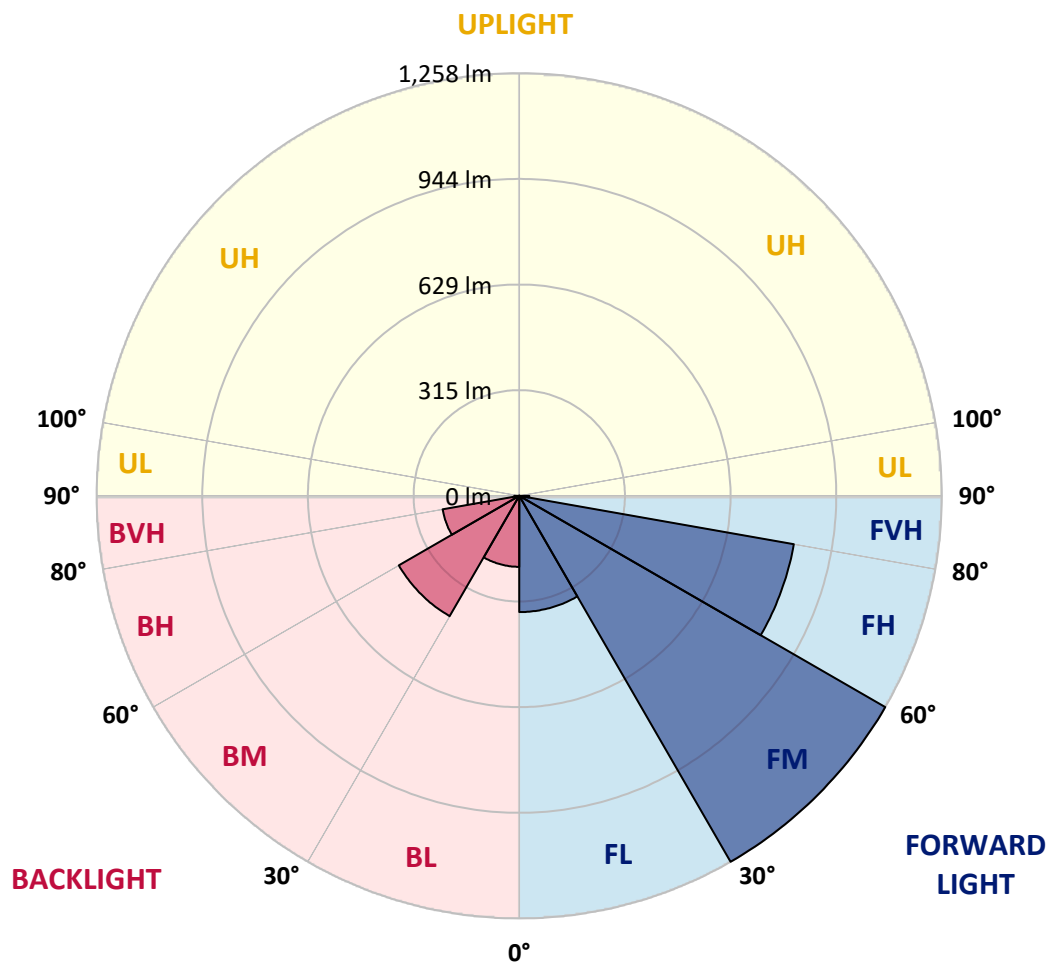
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.1	10.4			
FM	(30°-60°)	1258.4	37.7			
FH	(60°-80°)	830.2	24.9			G1/1800
FVH	(80°-90°)	29.6	0.9			G1/100
BL	(0°-30°)	211.5	6.3	B1/500		
BM	(30°-60°)	413.9	12.4	B1/1000		
BH	(60°-80°)	231.8	6.9	B1/500		G1/500
BVH	(80°-90°)	14.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	705.6	705.6	705.6	705.6	705.6	705.6	705.6	705.6	705.6	705.6	705.6
2.5°	730.9	730.9	733.2	725.2	720.6	717.1	713.7	710.2	709.1	705.6	701.1
5°	763.0	763.0	764.2	756.1	747.0	736.6	726.3	719.4	719.4	711.4	699.9
7.5°	780.2	780.2	780.2	771.0	765.3	758.4	742.4	722.9	721.7	713.7	697.6
10°	780.2	780.2	784.8	771.0	766.5	759.6	750.4	729.7	727.4	709.1	687.3
12.5°	794.0	796.3	794.0	779.1	774.5	768.8	756.1	738.9	737.8	713.7	682.7
15°	813.5	814.6	811.2	800.9	796.3	787.1	772.2	753.8	751.5	722.9	686.1
17.5°	818.1	819.2	821.5	808.9	808.9	805.5	797.4	775.6	769.9	744.7	696.5
20°	815.8	816.9	820.4	818.1	819.2	816.9	822.7	804.3	797.4	769.9	712.5
22.5°	826.1	828.4	835.3	836.4	841.0	845.6	847.9	849.1	844.5	812.4	745.8
25°	829.6	836.4	845.6	858.2	874.3	883.5	896.1	908.7	907.6	875.5	800.9
27.5°	813.5	821.5	850.2	869.7	905.3	930.5	959.2	976.4	976.4	950.0	864.0
30°	828.4	831.9	846.8	874.3	915.6	973.0	1017.7	1039.5	1041.8	1024.6	925.9
32.5°	797.4	805.5	842.2	895.0	958.1	1021.2	1065.9	1113.0	1115.3	1109.5	1016.6
35°	794.0	798.6	819.2	875.5	956.9	1065.9	1125.6	1185.3	1191.0	1197.9	1104.9
37.5°	758.4	767.6	807.8	877.8	989.1	1095.8	1176.1	1267.9	1277.0	1298.8	1180.7
40°	720.6	727.4	760.7	836.4	978.7	1133.6	1225.4	1365.4	1376.9	1395.2	1285.1
42.5°	668.9	682.7	740.1	819.2	974.1	1145.1	1280.5	1454.9	1459.5	1491.6	1367.7
45°	620.7	625.3	668.9	759.6	934.0	1162.3	1321.8	1555.9	1559.3	1580.0	1436.5
47.5°	581.7	587.5	632.2	709.1	897.3	1157.7	1363.1	1653.4	1669.5	1692.4	1520.3
50°	461.3	473.9	592.1	665.5	834.2	1149.7	1396.4	1770.4	1788.8	1810.6	1609.8
52.5°	398.1	403.9	463.5	621.9	772.2	1115.3	1427.4	1889.8	1911.6	1900.1	1723.4
55°	370.6	374.0	401.6	535.8	717.1	1049.9	1450.3	2001.0	2024.0	1968.9	1812.9
57.5°	351.1	355.7	371.8	438.3	655.2	935.1	1452.6	2066.5	2074.5	2026.3	1849.6
60°	324.7	328.2	351.1	383.2	582.9	814.6	1411.3	2095.1	2133.0	2087.1	1932.2
62.5°	305.2	308.6	323.6	347.7	512.9	718.3	1296.6	2184.6	2209.9	2147.9	1963.2
65°	282.3	282.3	297.2	321.3	468.1	659.7	1236.9	2155.9	2100.9	2130.7	2001.0
67.5°	249.0	251.3	266.2	285.7	392.4	603.5	1090.0	2022.8	1965.5	2048.1	1901.2
70°	221.4	219.2	235.2	250.1	321.3	532.4	903.0	1885.2	1932.2	1923.0	1809.4
72.5°	184.7	182.4	196.2	212.3	259.3	441.7	713.7	1749.8	1777.3	1719.9	1605.2
75°	143.4	129.7	149.2	169.8	204.2	350.0	506.0	1449.2	1552.4	1621.3	1368.8
77.5°	22.9	22.9	28.7	40.2	66.5	177.8	226.0	796.3	913.3	1380.3	1200.2
80°	18.4	18.4	20.7	27.5	40.2	97.5	75.7	246.7	275.4	595.5	690.7
82.5°	10.3	10.3	14.9	18.4	25.2	29.8	33.3	120.5	134.2	211.1	267.3
85°	5.7	5.7	8.0	9.2	10.3	10.3	10.3	55.1	62.0	112.4	121.6
87.5°	3.4	3.4	3.4	3.4	3.4	2.3	1.1	1.1	1.1	1.1	1.1
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°	705.6	705.6	705.6	705.6	705.6	705.6	705.6	705.6	705.6	705.6	705.6
2.5°	698.8	695.3	689.6	685.0	681.6	678.1	672.4	668.9	668.9	674.7	675.8
5°	693.0	685.0	674.7	670.1	664.3	658.6	649.4	644.8	643.7	647.1	649.4
7.5°	688.4	677.0	666.6	655.2	637.9	623.0	615.0	609.3	611.6	617.3	615.0
10°	674.7	664.3	648.3	631.1	610.4	597.8	585.2	578.3	579.4	582.9	579.4
12.5°	668.9	655.2	628.8	608.1	589.8	565.7	549.6	539.3	539.3	545.0	545.0
15°	668.9	648.3	612.7	587.5	558.8	534.7	516.3	507.1	512.9	509.4	507.1
17.5°	674.7	642.5	602.4	559.9	525.5	501.4	479.6	467.0	470.4	472.7	470.4
20°	681.6	642.5	589.8	538.1	498.0	463.5	439.5	425.7	424.5	425.7	428.0
22.5°	704.5	657.5	581.7	524.4	463.5	430.3	406.2	382.1	380.9	379.8	382.1
25°	743.5	685.0	587.5	499.1	444.0	394.7	364.9	344.2	337.3	336.2	338.5
27.5°	807.8	733.2	596.6	495.7	408.5	363.7	327.0	304.1	297.2	299.5	298.3
30°	877.8	795.1	623.0	471.6	387.8	317.8	283.4	263.9	257.0	252.4	253.6
32.5°	929.4	857.1	656.3	463.5	347.7	268.5	243.2	231.8	223.7	218.0	216.9
35°	1010.9	909.9	686.1	445.2	312.1	236.4	215.7	203.1	198.5	195.1	195.1
37.5°	1088.9	974.1	716.0	439.5	266.2	214.6	189.3	181.3	179.0	176.7	176.7
40°	1166.9	1039.5	733.2	416.5	229.5	188.2	164.1	162.9	166.4	164.1	165.2
42.5°	1263.3	1107.2	750.4	394.7	203.1	160.6	146.9	156.0	162.9	164.1	164.1
45°	1329.8	1153.1	757.3	341.9	175.6	140.0	143.4	153.8	161.8	165.2	164.1
47.5°	1390.6	1215.1	747.0	277.7	152.6	136.5	142.3	149.2	160.6	165.2	165.2
50°	1450.3	1266.7	737.8	205.4	144.6	137.7	142.3	145.7	158.3	162.9	162.9
52.5°	1534.1	1308.0	706.8	172.1	137.7	138.8	145.7	144.6	154.9	161.8	164.1
55°	1649.9	1404.4	647.1	162.9	136.5	137.7	145.7	145.7	152.6	158.3	161.8
57.5°	1701.6	1445.7	546.2	153.8	133.1	136.5	142.3	143.4	151.5	154.9	153.8
60°	1760.1	1497.3	447.5	143.4	127.4	134.2	136.5	141.1	146.9	146.9	145.7
62.5°	1795.7	1510.0	372.9	131.9	120.5	126.2	126.2	130.8	135.4	135.4	135.4
65°	1812.9	1497.3	278.8	121.6	112.4	117.0	115.9	118.2	121.6	115.9	115.9
67.5°	1745.2	1450.3	192.8	107.9	103.3	107.9	106.7	107.9	106.7	102.1	103.3
70°	1629.3	1318.4	133.1	91.8	90.6	98.7	99.8	97.5	90.6	87.2	87.2
72.5°	1483.6	1057.9	91.8	73.4	76.9	87.2	89.5	84.9	78.0	74.6	74.6
75°	1345.9	914.5	65.4	50.5	51.6	66.5	71.1	71.1	68.8	91.8	97.5
77.5°	936.3	592.1	37.9	26.4	25.2	37.9	43.6	44.7	86.1	92.9	90.6
80°	555.3	278.8	27.5	16.1	16.1	21.8	29.8	58.5	98.7	66.5	59.7
82.5°	212.3	106.7	17.2	10.3	9.2	11.5	17.2	90.6	57.4	37.9	34.4
85°	76.9	26.4	8.0	5.7	5.7	6.9	10.3	76.9	40.2	28.7	27.5
87.5°	1.1	1.1	2.3	2.3	2.3	1.1	1.1	2.3	2.3	2.3	1.1
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)