

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: P691017

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3046 lumens
Efficiency: N/A
Efficacy: 131.3 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



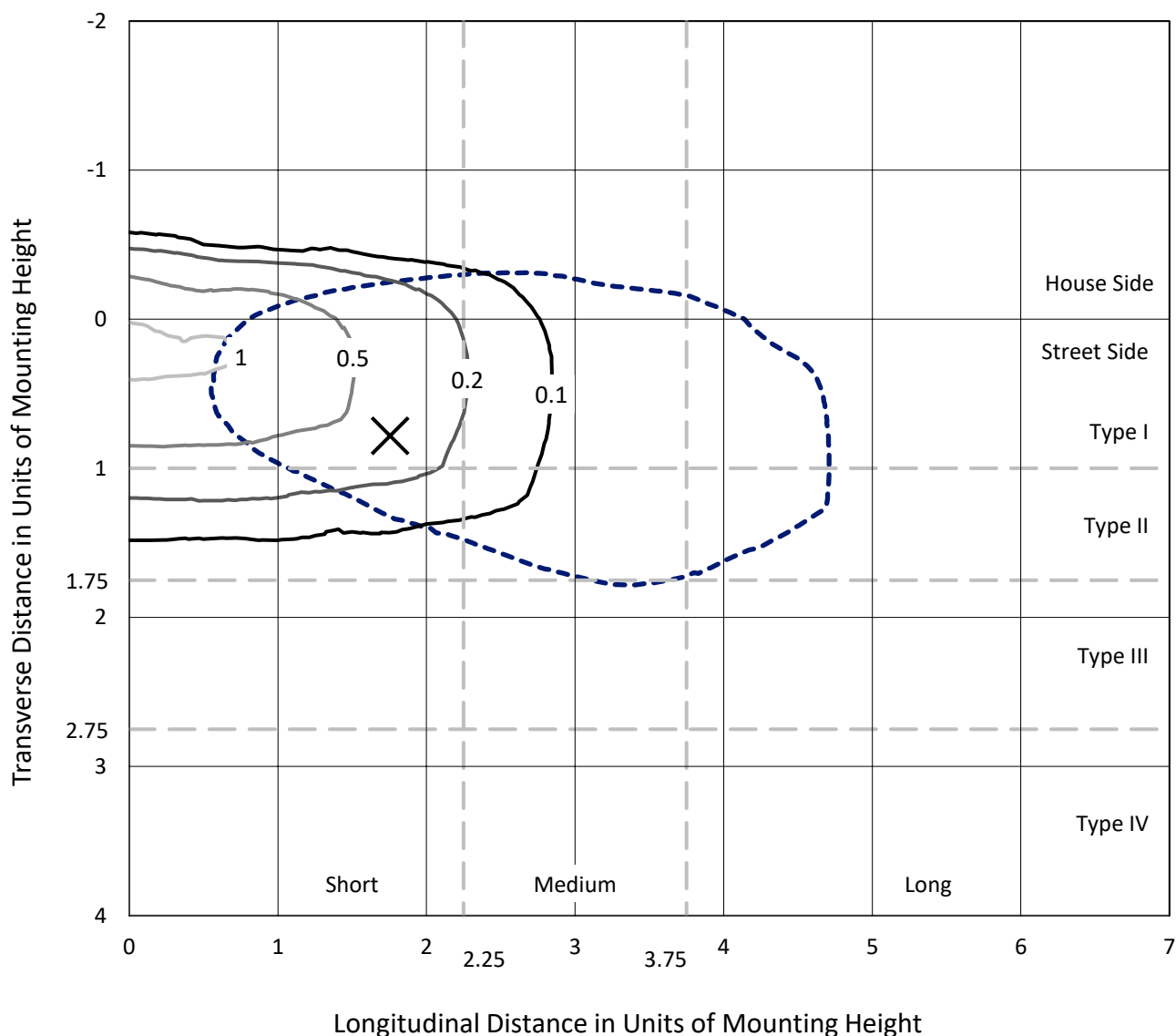
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



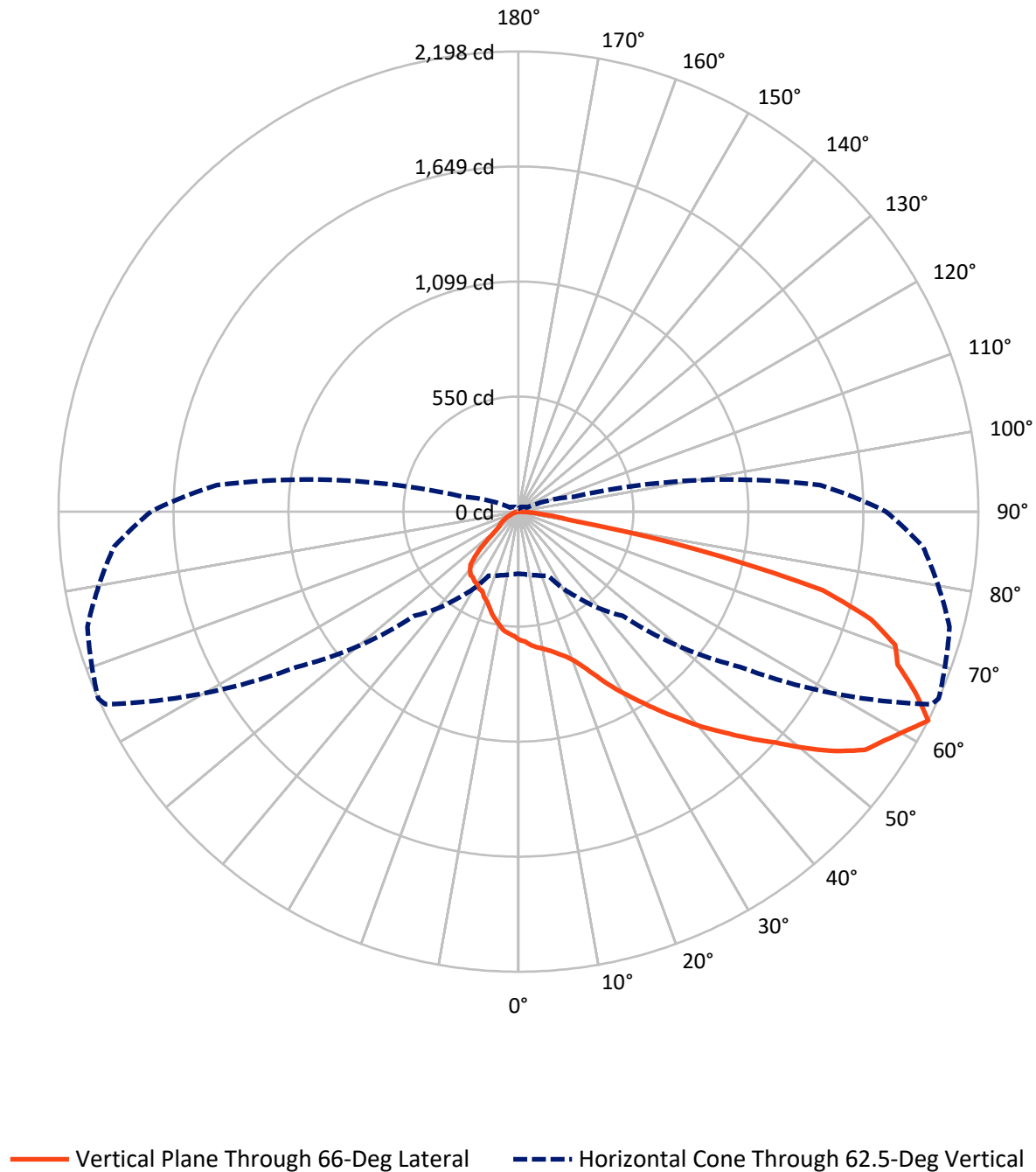
Based on 25 foot mounting height. Maximum calculated value = 1.1 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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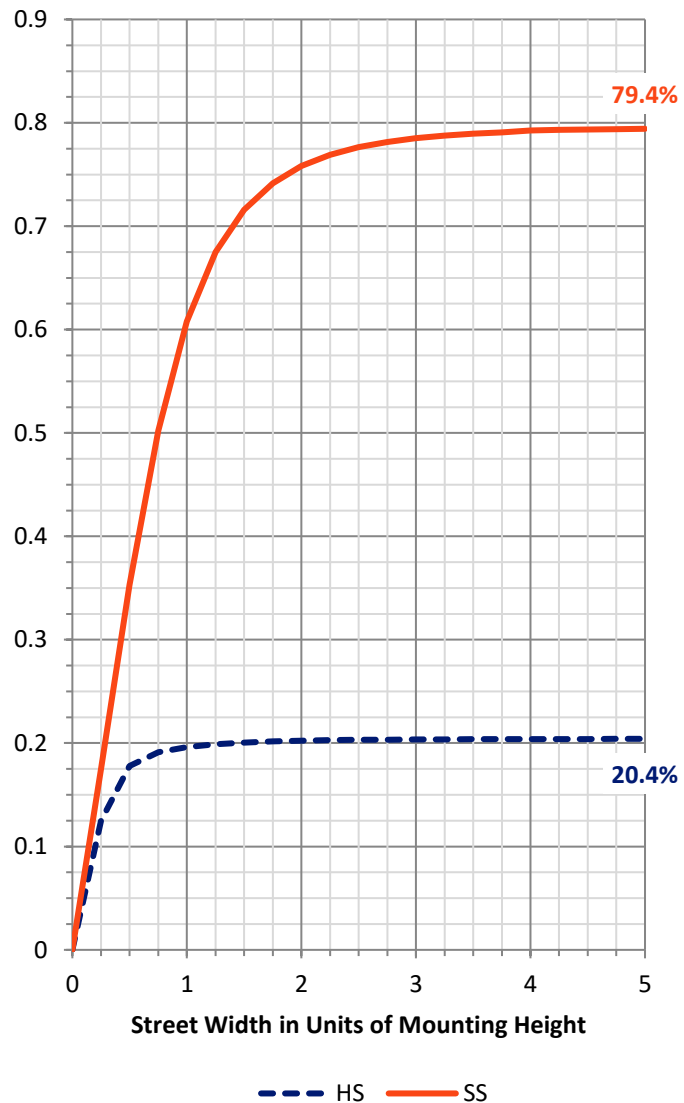
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	629.2	0.0	629.2
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	2416.8	0.0	2416.8
	% Fixture	79.3	0.0	79.3
Total	Lumens	3046.0	0.0	3046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	1.9
10°-20°	164.9	5.4
20°-30°	270.5	8.9
30°-40°	398.0	13.1
40°-50°	524.9	17.2
50°-60°	611.1	20.1
60°-70°	607.2	19.9
70°-80°	375.6	12.3
80°-90°	35.9	1.2
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°	3046.0	100.0
0°-180°	3046.0	100.0

Coefficient of Utilization



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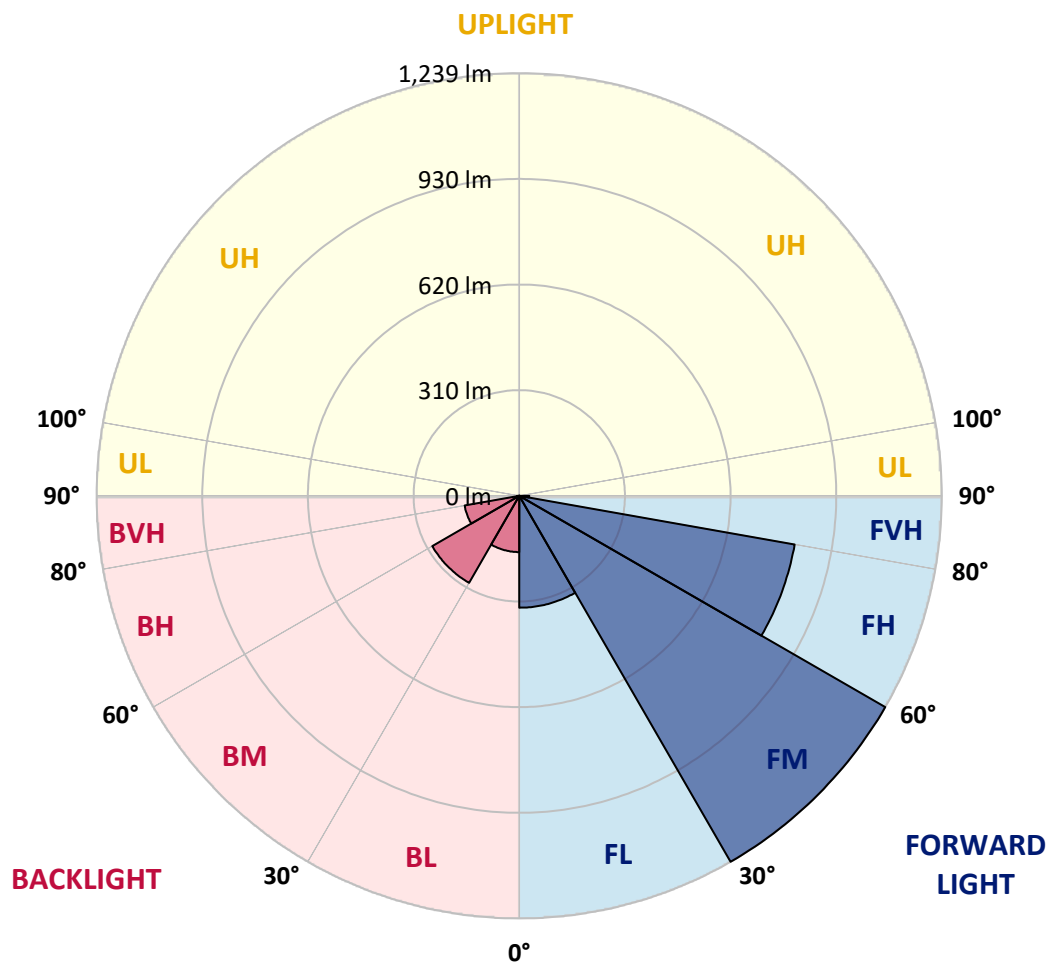
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	328.2	10.8			
FM	(30°-60°)	1239.4	40.7			
FH	(60°-80°)	820.2	26.9			G1/1800
FVH	(80°-90°)	29.0	1.0			G1/100
BL	(0°-30°)	165.0	5.4	B1/500		
BM	(30°-60°)	294.6	9.7	B1/1000		
BH	(60°-80°)	162.7	5.3	B1/500		G1/500
BVH	(80°-90°)	6.9	0.2			G0/10
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°	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0
2.5°	647.4	647.4	646.2	638.2	634.8	630.2	626.7	623.3	622.1	618.7	613.0
5°	685.3	684.1	684.1	677.2	670.4	661.2	652.0	642.8	641.7	632.5	619.8
7.5°	707.1	707.1	704.8	700.2	695.6	689.9	676.1	656.6	655.4	642.8	625.6
10°	712.8	714.0	718.6	707.1	703.6	697.9	691.0	670.4	666.9	648.5	621.0
12.5°	733.5	733.5	732.3	722.0	718.6	714.0	702.5	686.4	683.0	660.0	622.1
15°	758.7	759.9	756.4	747.3	742.7	736.9	722.0	704.8	703.6	673.8	631.3
17.5°	771.4	771.4	773.7	761.0	762.2	759.9	753.0	728.9	727.7	700.2	647.4
20°	776.0	777.1	778.3	778.3	779.4	777.1	784.0	763.3	759.9	728.9	669.2
22.5°	796.6	798.9	804.7	801.2	807.0	810.4	812.7	813.8	809.2	777.1	705.9
25°	805.8	811.5	819.6	832.2	841.4	848.3	865.5	873.5	872.4	844.8	766.8
27.5°	792.0	798.9	826.5	848.3	880.4	898.8	930.9	941.3	944.7	919.4	832.2
30°	810.4	812.7	825.3	852.9	893.0	948.1	991.8	1014.7	1014.7	995.2	896.5
32.5°	781.7	788.6	825.3	875.8	937.8	997.5	1038.8	1088.2	1088.2	1079.0	988.3
35°	778.3	781.7	803.5	859.8	939.0	1048.0	1103.1	1161.6	1169.7	1170.8	1079.0
37.5°	746.1	753.0	792.0	864.3	973.4	1079.0	1155.9	1246.6	1255.8	1268.4	1154.8
40°	710.5	712.8	747.3	823.0	965.4	1119.2	1206.4	1341.9	1352.2	1369.4	1255.8
42.5°	657.7	666.9	724.3	807.0	961.9	1131.8	1262.7	1431.4	1442.9	1467.0	1339.6
45°	610.7	614.1	656.6	748.4	924.0	1150.2	1306.3	1537.0	1543.9	1558.8	1409.6
47.5°	572.8	575.1	617.6	696.8	888.4	1145.6	1348.7	1632.3	1648.3	1671.3	1492.2
50°	459.1	471.8	577.4	654.3	826.5	1137.5	1382.0	1751.6	1775.8	1784.9	1587.5
52.5°	391.4	393.7	448.8	611.8	762.2	1103.1	1414.2	1873.3	1900.9	1875.6	1702.3
55°	362.7	365.0	390.3	526.9	708.2	1036.5	1438.3	1990.4	2009.9	1947.9	1788.4
57.5°	344.4	349.0	360.4	428.2	644.0	925.2	1442.9	2054.7	2062.7	2005.3	1832.0
60°	319.1	319.1	342.1	374.2	573.9	805.8	1405.0	2086.8	2125.9	2070.8	1912.3
62.5°	297.3	299.6	314.5	338.6	505.1	704.8	1293.6	2178.7	2198.2	2132.7	1941.0
65°	272.0	274.3	288.1	312.2	459.1	648.5	1234.0	2141.9	2084.5	2116.7	1976.6
67.5°	243.3	244.5	258.3	280.1	385.7	598.0	1090.5	2001.9	1954.8	2040.9	1877.9
70°	214.7	214.7	226.1	243.3	314.5	524.6	901.1	1874.5	1910.1	1914.6	1780.3
72.5°	179.1	180.2	191.7	206.6	252.5	438.5	712.8	1747.1	1763.1	1702.3	1565.7
75°	128.6	133.2	145.8	160.7	199.7	347.8	506.2	1419.9	1503.7	1611.6	1345.3
77.5°	19.5	19.5	24.1	36.7	65.4	174.5	234.2	784.0	870.1	1348.7	1175.4
80°	16.1	16.1	17.2	24.1	37.9	97.6	75.8	245.6	264.0	619.8	662.3
82.5°	8.0	8.0	12.6	17.2	23.0	28.7	32.1	118.2	136.6	211.2	264.0
85°	4.6	4.6	5.7	8.0	9.2	9.2	10.3	56.2	58.5	114.8	119.4
87.5°	1.1	1.1	2.3	2.3	2.3	1.1	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°	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0
2.5°	610.7	607.2	600.3	594.6	591.2	584.3	578.5	573.9	571.6	577.4	578.5
5°	611.8	603.8	591.2	583.1	573.9	562.5	548.7	540.6	537.2	538.4	541.8
7.5°	614.1	602.6	587.7	570.5	546.4	523.4	507.4	498.2	493.6	499.3	499.3
10°	607.2	594.6	573.9	547.5	516.5	493.6	475.2	459.1	453.4	455.7	456.9
12.5°	607.2	590.0	555.6	523.4	494.7	456.9	429.3	414.4	408.6	409.8	412.1
15°	610.7	587.7	539.5	500.5	458.0	417.8	393.7	375.4	369.6	363.9	366.2
17.5°	622.1	584.3	531.5	469.5	422.4	384.5	351.2	330.6	326.0	326.0	327.1
20°	633.6	588.9	517.7	446.5	390.3	343.2	308.8	293.9	283.5	278.9	283.5
22.5°	657.7	604.9	508.5	431.6	357.0	312.2	280.1	246.8	228.4	220.4	222.7
25°	701.3	633.6	515.4	405.2	338.6	283.5	238.8	198.6	173.3	165.3	167.6
27.5°	769.1	680.7	523.4	402.9	305.3	254.8	194.0	150.4	130.9	122.8	125.1
30°	835.6	745.0	549.8	379.9	292.7	208.9	146.9	115.9	96.4	88.4	90.7
32.5°	893.0	807.0	583.1	374.2	259.4	157.3	110.2	86.1	71.2	64.3	65.4
35°	978.0	859.8	611.8	357.0	220.4	118.2	80.4	62.0	53.9	51.7	51.7
37.5°	1053.7	921.7	639.4	351.2	165.3	88.4	57.4	50.5	49.4	45.9	45.9
40°	1132.9	987.2	652.0	330.6	120.5	62.0	47.1	47.1	45.9	42.5	42.5
42.5°	1225.9	1053.7	663.5	306.5	86.1	47.1	43.6	44.8	43.6	40.2	39.0
45°	1292.5	1095.1	666.9	245.6	59.7	44.8	41.3	42.5	41.3	39.0	37.9
47.5°	1353.3	1154.8	652.0	172.2	48.2	42.5	40.2	40.2	40.2	36.7	35.6
50°	1416.5	1204.1	639.4	93.0	47.1	41.3	37.9	36.7	37.9	35.6	34.4
52.5°	1500.3	1242.0	606.1	63.1	45.9	40.2	36.7	34.4	35.6	33.3	34.4
55°	1611.6	1341.9	545.2	59.7	45.9	39.0	35.6	32.1	32.1	31.0	31.0
57.5°	1662.1	1379.7	447.7	57.4	44.8	39.0	33.3	29.8	27.5	26.4	25.3
60°	1724.1	1434.8	345.5	52.8	41.3	36.7	29.8	26.4	23.0	21.8	21.8
62.5°	1756.2	1447.5	273.2	47.1	37.9	32.1	26.4	21.8	18.4	16.1	16.1
65°	1774.6	1440.6	190.5	42.5	33.3	28.7	23.0	18.4	13.8	12.6	11.5
67.5°	1712.6	1399.3	111.3	36.7	28.7	25.3	19.5	14.9	11.5	10.3	9.2
70°	1588.6	1273.0	70.0	32.1	25.3	21.8	17.2	12.6	9.2	8.0	8.0
72.5°	1455.5	1026.2	48.2	25.3	19.5	17.2	12.6	10.3	8.0	5.7	5.7
75°	1309.7	890.7	35.6	18.4	13.8	12.6	10.3	8.0	6.9	4.6	4.6
77.5°	928.6	590.0	28.7	13.8	9.2	8.0	6.9	5.7	4.6	4.6	3.4
80°	548.7	288.1	21.8	9.2	6.9	5.7	4.6	4.6	3.4	3.4	3.4
82.5°	205.5	110.2	14.9	6.9	4.6	4.6	3.4	3.4	2.3	2.3	2.3
85°	74.6	27.5	6.9	3.4	3.4	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	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

(END OF REPORT)