

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: P691049

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T3-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3132 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
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



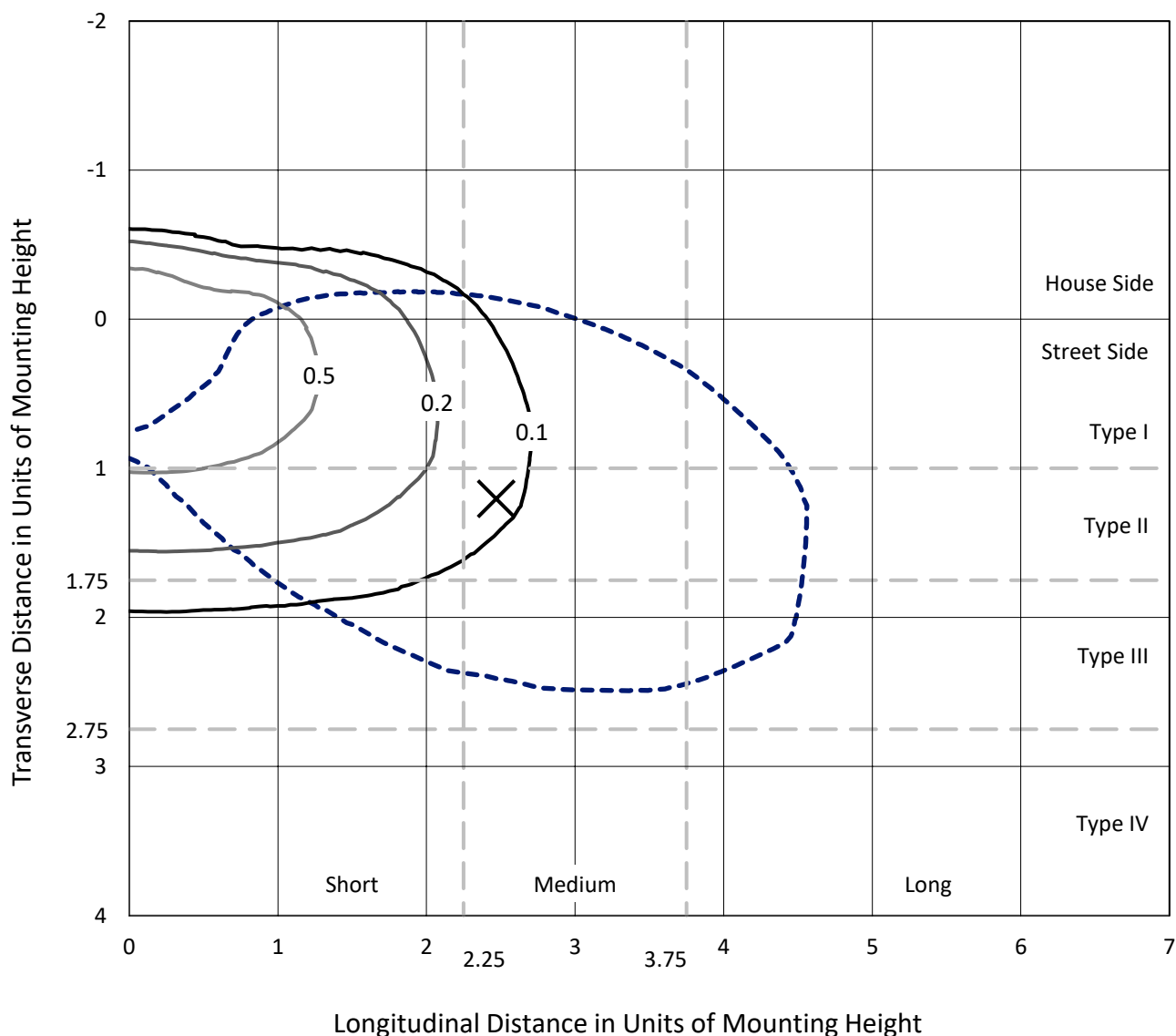
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

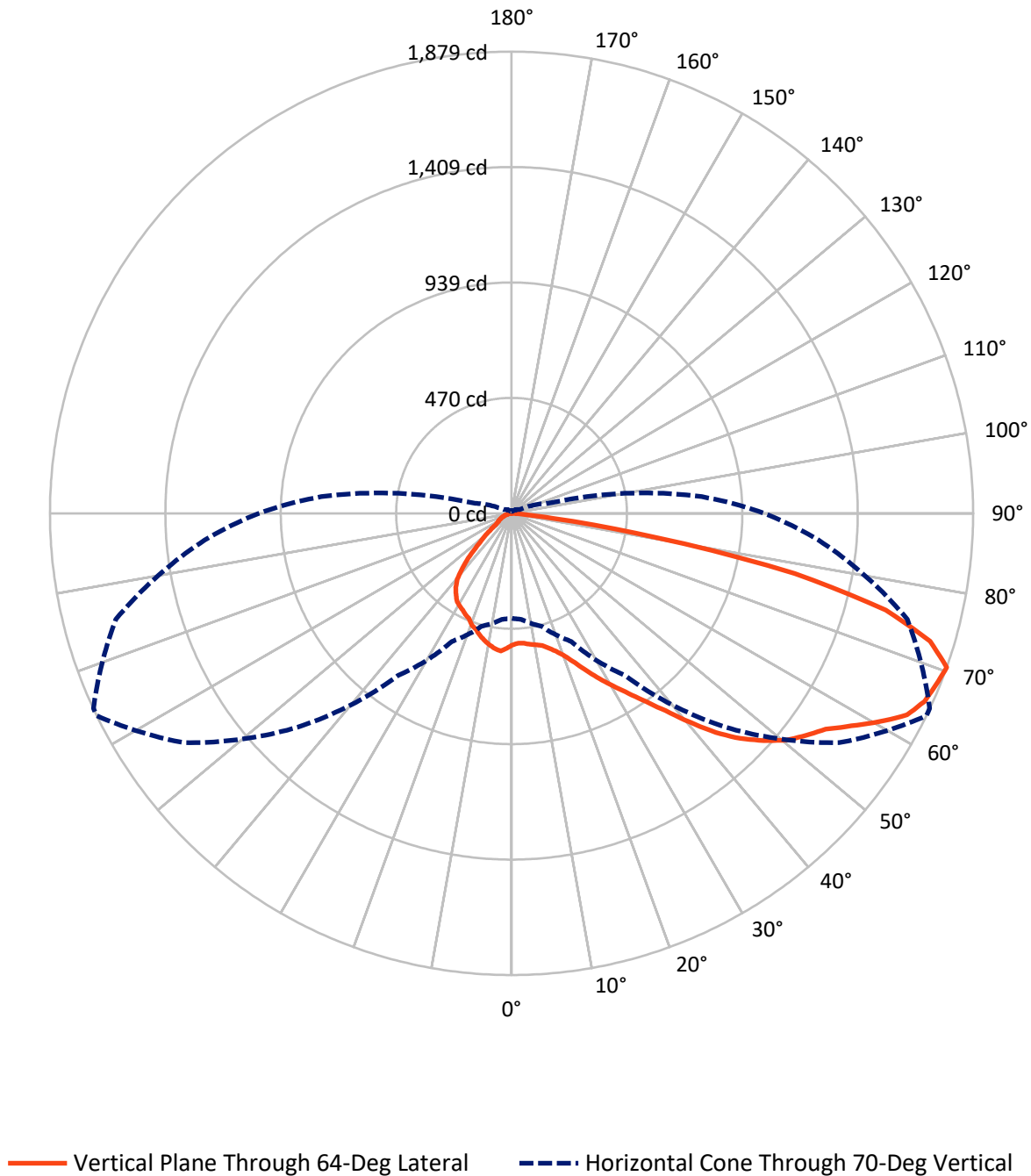


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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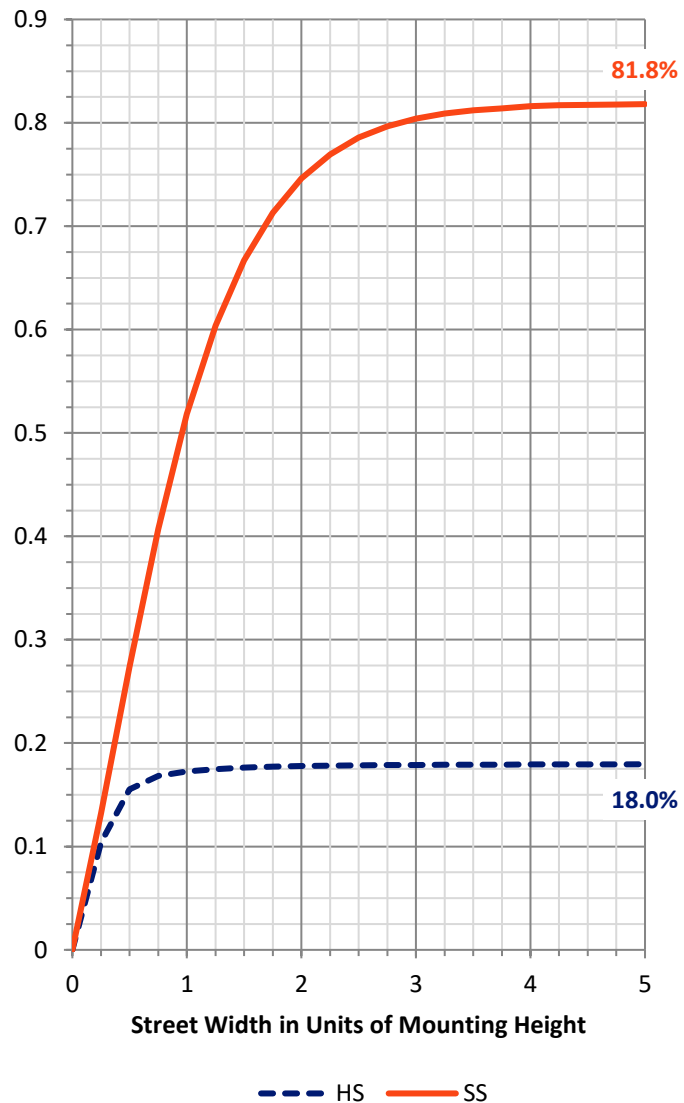
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	569.2	0.0	569.2
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	2562.8	0.0	2562.8
	% Fixture	81.8	0.0	81.8
Total	Lumens	3132.0	0.0	3132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.7
10°-20°	154.2	4.9
20°-30°	259.8	8.3
30°-40°	382.3	12.2
40°-50°	524.3	16.7
50°-60°	637.9	20.4
60°-70°	677.3	21.6
70°-80°	415.2	13.3
80°-90°	29.0	0.9
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°	3132.0	100.0
0°-180°	3132.0	100.0

Coefficient of Utilization



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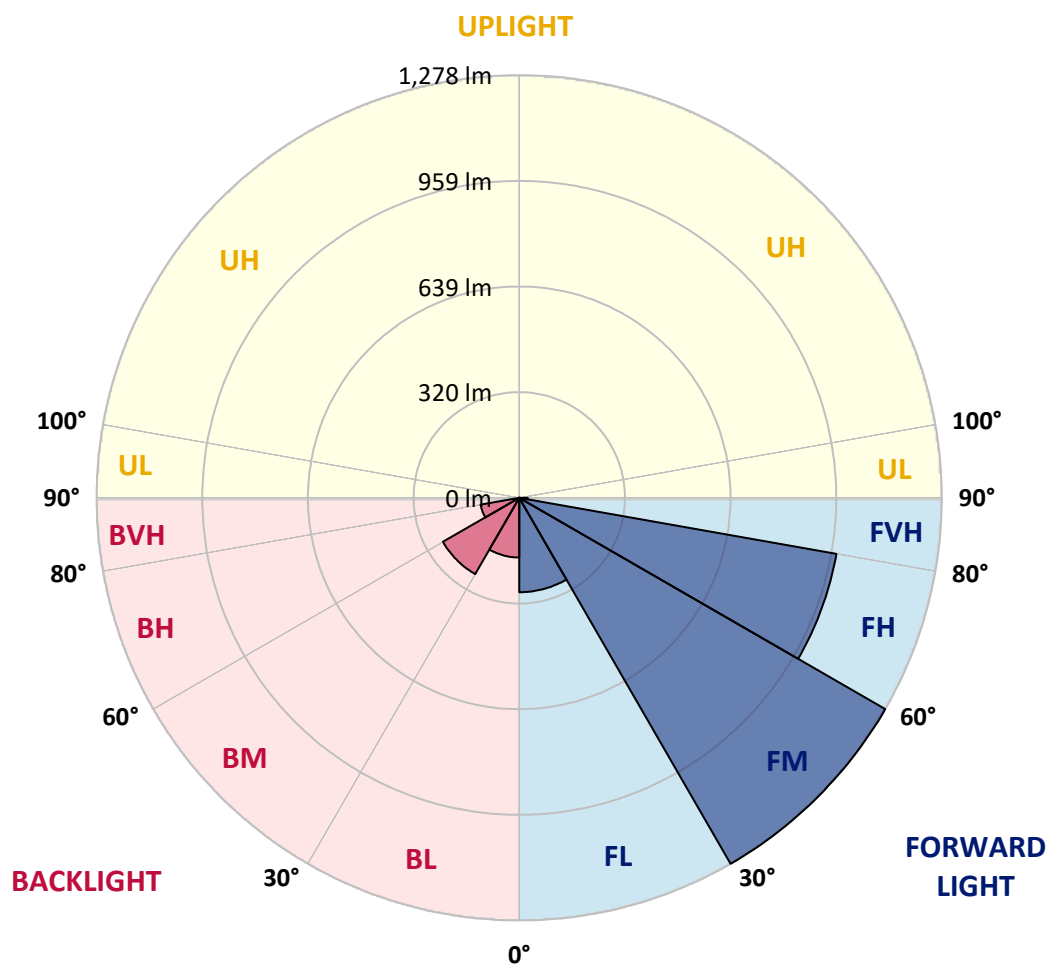
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.5	9.1			
FM	(30°-60°)	1278.1	40.8			
FH	(60°-80°)	974.0	31.1			G1/1800
FVH	(80°-90°)	25.3	0.8			G1/100
BL	(0°-30°)	180.6	5.8	B1/500		
BM	(30°-60°)	266.4	8.5	B1/1000		
BH	(60°-80°)	118.5	3.8	B1/500		G1/500
BVH	(80°-90°)	3.7	0.1			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	534.8	534.8	534.8	534.8	534.8	534.8	534.8	534.8	534.8	534.8	534.8
2.5°	529.1	529.1	530.2	529.1	531.3	527.9	529.1	529.1	529.1	530.2	533.6
5°	545.1	545.1	542.8	539.4	535.9	531.3	531.3	531.3	531.3	533.6	541.7
7.5°	555.4	554.3	554.3	554.3	550.9	541.7	539.4	538.2	538.2	538.2	546.3
10°	580.7	577.3	572.7	565.8	562.3	554.3	545.1	544.0	544.0	545.1	555.4
12.5°	604.8	601.4	601.4	596.8	583.0	573.8	557.7	552.0	552.0	554.3	560.0
15°	645.0	641.5	632.3	624.3	611.7	595.6	579.5	569.2	568.1	572.7	564.6
17.5°	673.7	667.9	669.1	656.4	646.1	623.2	607.1	591.0	591.0	595.6	579.5
20°	701.2	701.2	702.3	701.2	684.0	665.6	639.2	619.7	620.9	622.0	596.8
22.5°	742.5	741.4	741.4	742.5	731.0	710.4	681.7	659.9	658.7	649.6	618.6
25°	790.7	788.4	783.8	788.4	782.7	758.6	731.0	709.2	705.8	693.2	650.7
27.5°	830.9	830.9	830.9	833.2	833.2	816.0	785.0	762.0	764.3	747.1	688.6
30°	859.6	859.6	869.9	874.5	877.9	872.2	838.9	814.8	819.4	798.7	735.6
32.5°	890.6	889.4	903.2	913.5	918.1	920.4	892.8	873.3	874.5	856.1	789.6
35°	919.2	916.9	935.3	957.1	968.6	966.3	946.8	939.9	942.2	936.5	863.0
37.5°	939.9	943.3	967.4	996.1	1014.5	1019.1	1006.5	1019.1	1031.7	1039.7	958.3
40°	962.9	962.9	985.8	1016.8	1045.5	1062.7	1071.9	1117.8	1128.1	1133.8	1014.5
42.5°	939.9	947.9	996.1	1040.9	1078.8	1105.2	1143.0	1219.9	1231.4	1195.8	1089.1
45°	920.4	927.3	975.5	1051.2	1106.3	1157.9	1226.8	1307.1	1318.6	1257.8	1131.6
47.5°	900.9	908.9	959.4	1043.2	1131.6	1216.5	1294.5	1381.7	1387.5	1311.7	1187.8
50°	879.1	887.1	939.9	1032.9	1146.5	1279.6	1361.1	1450.6	1451.7	1358.8	1216.5
52.5°	851.5	861.9	914.7	1017.9	1159.1	1322.1	1420.8	1501.1	1494.2	1416.2	1250.9
55°	817.1	828.6	887.1	998.4	1166.0	1349.6	1459.8	1550.4	1545.8	1482.7	1295.7
57.5°	778.1	790.7	851.5	968.6	1163.7	1363.4	1499.9	1631.9	1634.2	1537.8	1328.9
60°	733.3	744.8	802.2	929.6	1133.8	1388.6	1586.0	1721.4	1729.5	1598.6	1342.7
62.5°	674.8	685.1	740.2	872.2	1096.0	1407.0	1651.4	1806.4	1802.9	1639.9	1347.3
65°	601.4	612.8	664.5	796.4	1036.3	1395.5	1672.1	1846.5	1846.5	1669.8	1343.9
67.5°	526.8	537.1	580.7	700.0	939.9	1338.1	1659.5	1862.6	1872.9	1689.3	1312.9
70°	426.9	432.7	476.3	575.0	805.6	1230.2	1627.3	1878.7	1877.5	1667.5	1254.3
72.5°	313.3	320.2	355.8	431.5	623.2	1065.0	1526.3	1781.1	1762.7	1550.4	1140.7
75°	161.8	168.7	196.2	270.8	397.1	751.7	1301.4	1573.4	1569.9	1372.6	944.5
77.5°	21.8	21.8	25.2	44.8	91.8	299.5	852.7	1178.6	1171.7	1046.6	686.3
80°	14.9	14.9	17.2	20.7	26.4	65.4	300.7	597.9	608.2	539.4	307.6
82.5°	11.5	10.3	12.6	14.9	16.1	29.8	91.8	165.3	167.6	150.3	94.1
85°	6.9	6.9	6.9	6.9	5.7	8.0	20.7	27.5	31.0	29.8	24.1
87.5°	3.4	3.4	3.4	2.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	534.8	534.8	534.8	534.8	534.8	534.8	534.8	534.8	534.8	534.8	534.8
2.5°	534.8	538.2	542.8	548.6	554.3	558.9	563.5	565.8	568.1	569.2	570.4
5°	544.0	548.6	554.3	562.3	562.3	558.9	556.6	556.6	558.9	562.3	563.5
7.5°	553.2	557.7	555.4	554.3	555.4	550.9	545.1	541.7	539.4	539.4	541.7
10°	556.6	552.0	549.7	544.0	532.5	530.2	525.6	516.4	514.1	516.4	508.4
12.5°	554.3	550.9	539.4	530.2	518.7	499.2	487.7	487.7	482.0	480.9	482.0
15°	560.0	548.6	534.8	515.3	494.6	478.6	460.2	444.1	439.5	440.7	440.7
17.5°	564.6	553.2	525.6	495.8	477.4	448.7	428.1	418.9	410.8	409.7	409.7
20°	575.0	558.9	519.9	487.7	441.8	420.0	397.1	385.6	373.0	355.8	350.0
22.5°	591.0	569.2	516.4	465.9	425.8	391.3	358.1	323.6	303.0	289.2	292.6
25°	612.8	588.7	519.9	457.9	401.7	358.1	314.4	267.4	236.4	227.2	233.0
27.5°	651.8	610.5	530.2	446.4	384.5	319.0	253.6	212.3	183.6	174.4	177.9
30°	687.4	643.8	531.3	439.5	356.9	273.1	199.7	153.8	130.8	117.1	113.6
32.5°	751.7	679.4	560.0	430.4	328.2	222.6	146.9	102.1	81.5	73.4	71.2
35°	814.8	742.5	568.1	413.1	275.4	165.3	90.7	60.8	49.3	43.6	42.5
37.5°	902.0	819.4	601.4	394.8	222.6	101.0	55.1	36.7	34.4	33.3	33.3
40°	945.6	859.6	628.9	368.4	156.1	57.4	35.6	32.1	31.0	29.8	29.8
42.5°	1007.6	905.5	651.8	321.3	91.8	37.9	32.1	29.8	28.7	27.5	27.5
45°	1042.0	929.6	646.1	264.0	45.9	35.6	31.0	28.7	26.4	26.4	26.4
47.5°	1087.9	965.1	631.2	195.1	41.3	34.4	29.8	27.5	26.4	27.5	26.4
50°	1131.6	999.6	589.9	154.9	40.2	33.3	29.8	26.4	26.4	26.4	26.4
52.5°	1155.7	1031.7	538.2	113.6	41.3	33.3	28.7	26.4	26.4	25.2	26.4
55°	1178.6	1036.3	496.9	82.6	41.3	32.1	27.5	25.2	24.1	23.0	23.0
57.5°	1194.7	1026.0	463.6	68.9	41.3	32.1	26.4	24.1	20.7	19.5	19.5
60°	1190.1	1000.7	436.1	63.1	39.0	29.8	24.1	20.7	18.4	16.1	16.1
62.5°	1177.5	985.8	385.6	55.1	35.6	27.5	21.8	17.2	14.9	13.8	13.8
65°	1166.0	938.8	327.1	49.3	33.3	24.1	18.4	14.9	12.6	11.5	11.5
67.5°	1110.9	876.8	243.3	42.5	29.8	21.8	16.1	13.8	11.5	10.3	9.2
70°	1029.4	776.9	159.5	36.7	26.4	18.4	13.8	11.5	9.2	8.0	8.0
72.5°	890.6	641.5	82.6	29.8	21.8	16.1	12.6	10.3	8.0	6.9	6.9
75°	723.0	471.7	49.3	23.0	17.2	13.8	10.3	8.0	6.9	5.7	5.7
77.5°	500.4	260.5	35.6	17.2	11.5	10.3	8.0	6.9	5.7	4.6	4.6
80°	168.7	71.2	25.2	12.6	8.0	8.0	5.7	4.6	4.6	3.4	3.4
82.5°	66.6	43.6	17.2	9.2	6.9	5.7	4.6	3.4	3.4	3.4	3.4
85°	18.4	12.6	6.9	4.6	3.4	3.4	3.4	2.3	2.3	2.3	2.3
87.5°	1.1	2.3	2.3	2.3	2.3	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

(END OF REPORT)