

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: P691226

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691226
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-C015-5TLD-U-T2-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4159 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.7
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

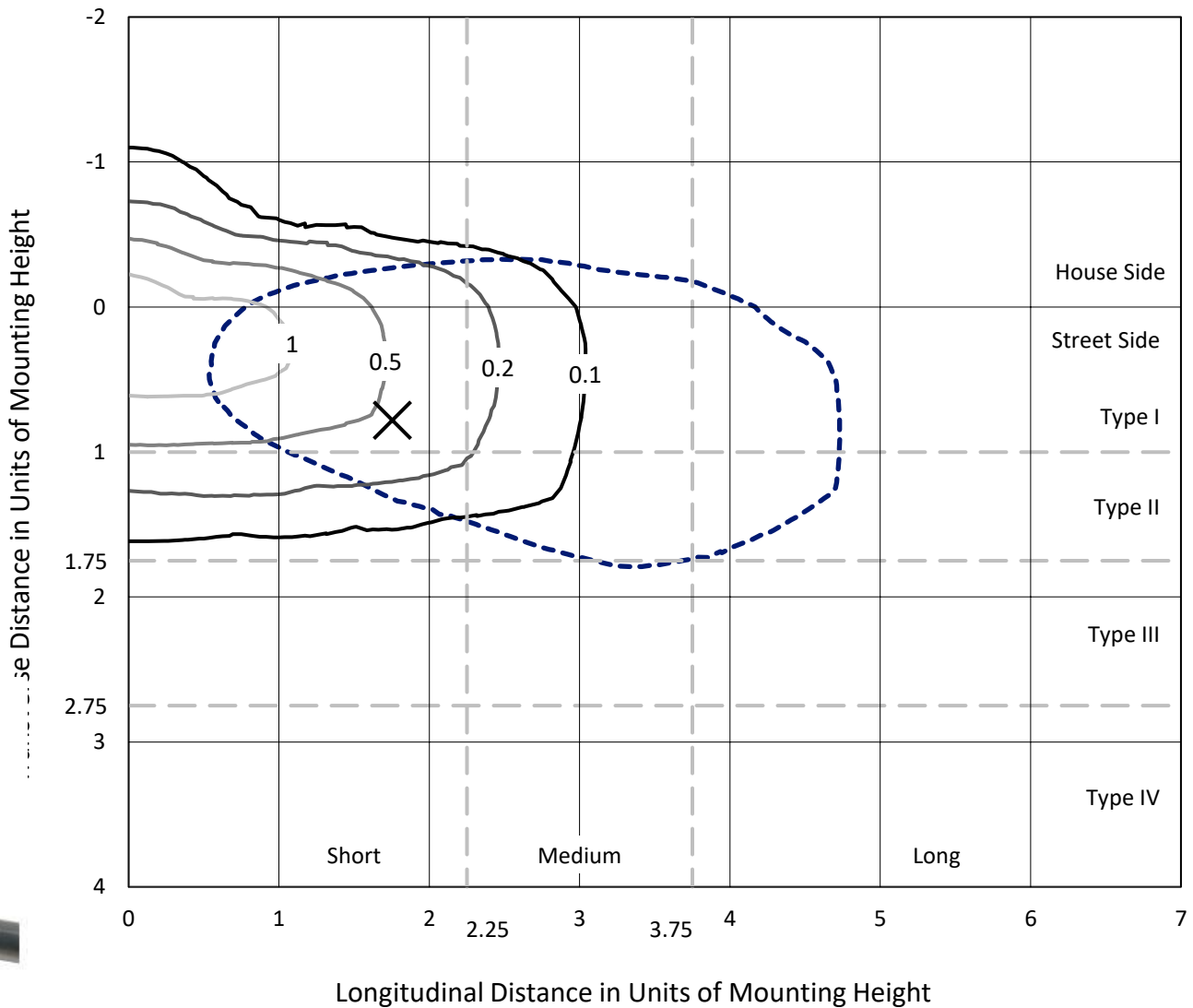


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

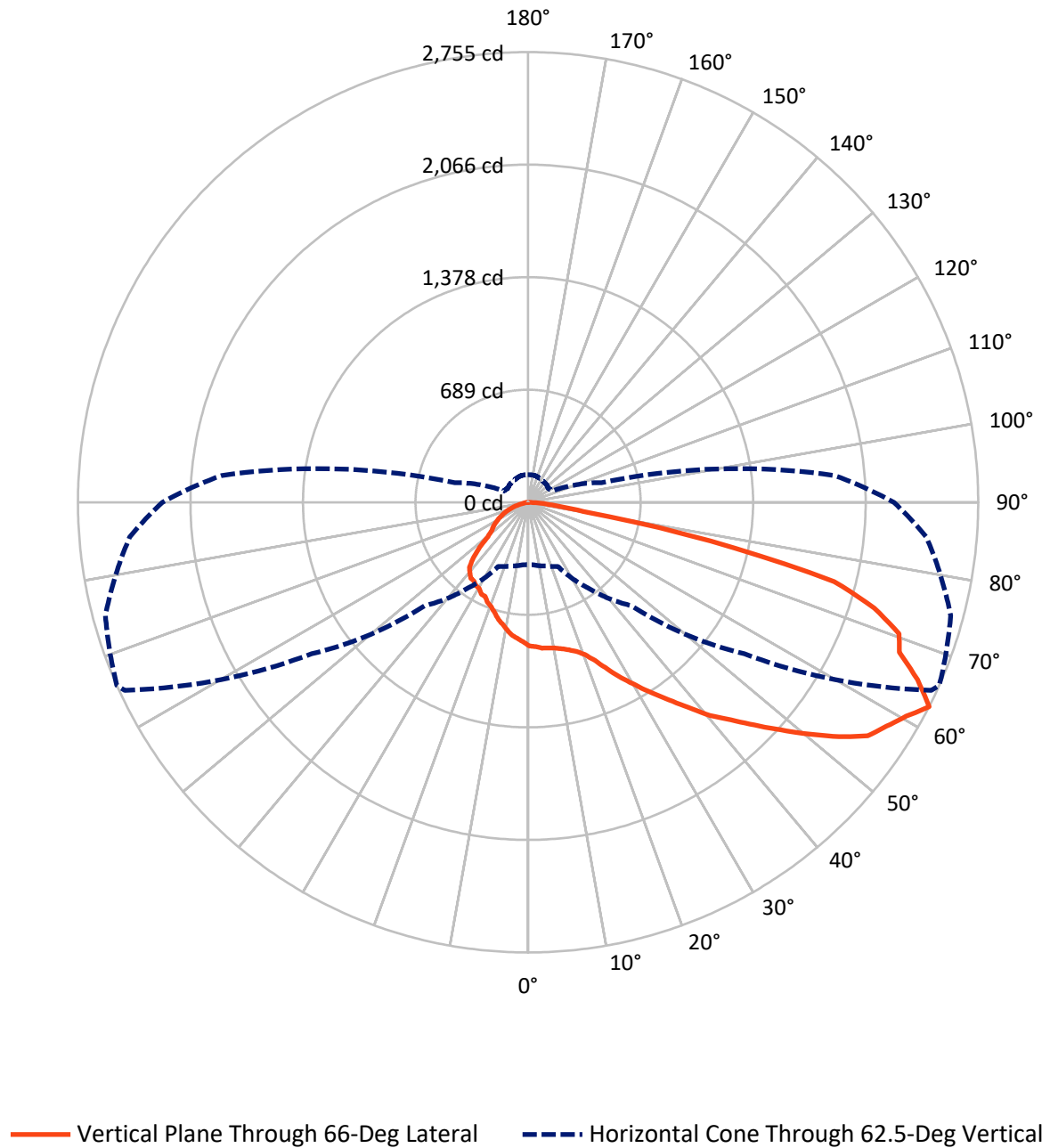


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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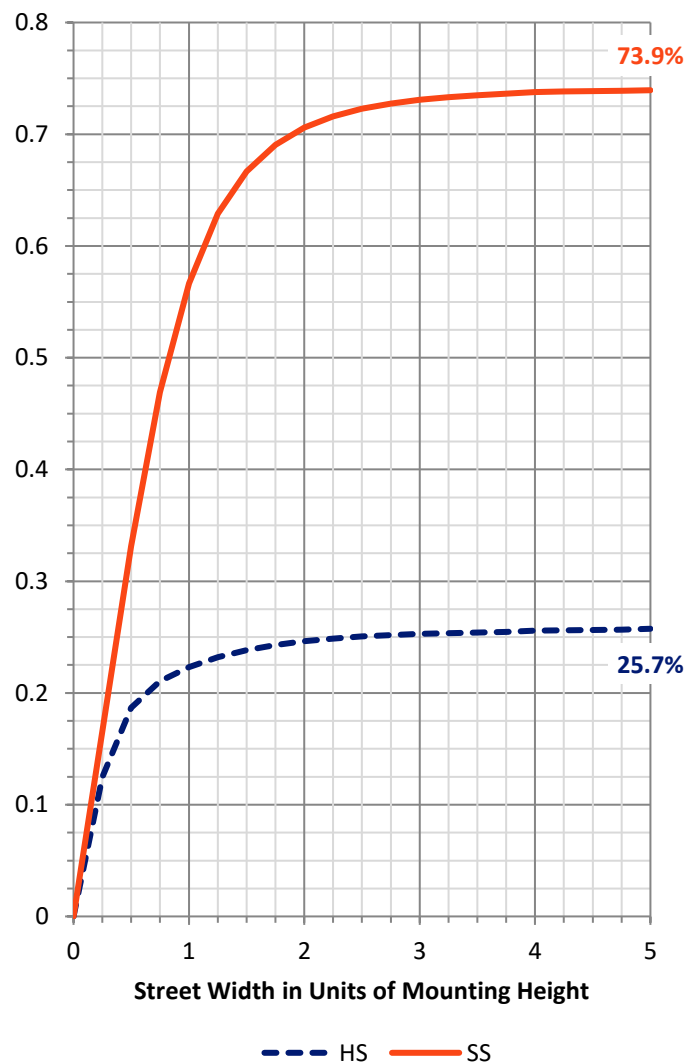
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1086.7	0.0	1086.7
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	3072.3	0.0	3072.3
	% Fixture	73.9	0.0	73.9
Total	Lumens	4159.0	0.0	4159.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	2.0
10°-20°	233.6	5.6
20°-30°	379.2	9.1
30°-40°	547.0	13.2
40°-50°	711.5	17.1
50°-60°	826.4	19.9
60°-70°	817.6	19.7
70°-80°	506.4	12.2
80°-90°	55.0	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°	4159.0	100.0
0°-180°	4159.0	100.0

Coefficient of Utilization



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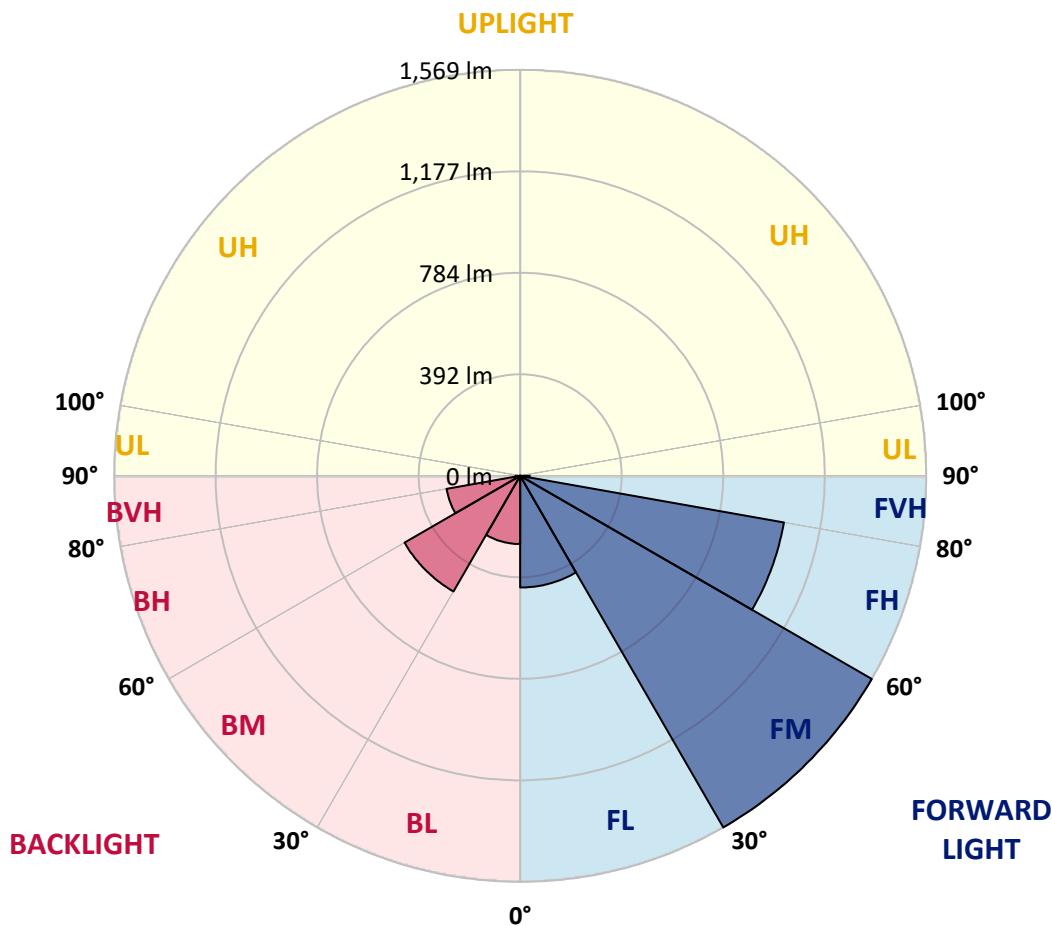
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	431.5	10.4			
FM	(30°-60°)	1568.8	37.7			
FH	(60°-80°)	1035.0	24.9			G1/1800
FVH	(80°-90°)	36.9	0.9			G1/100
BL	(0°-30°)	263.6	6.3	B1/500		
BM	(30°-60°)	516.0	12.4	B1/1000		
BH	(60°-80°)	289.0	6.9	B1/500		G1/500
BVH	(80°-90°)	18.1	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°	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7
2.5°	911.2	911.2	914.1	904.0	898.3	894.0	889.7	885.5	884.0	879.7	874.0
5°	951.3	951.3	952.7	942.7	931.2	918.4	905.5	896.9	896.9	886.9	872.6
7.5°	972.7	972.7	972.7	961.3	954.1	945.5	925.5	901.2	899.8	889.7	869.7
10°	972.7	972.7	978.4	961.3	955.5	947.0	935.5	909.8	906.9	884.0	856.8
12.5°	989.9	992.7	989.9	971.3	965.6	958.4	942.7	921.2	919.8	889.7	851.1
15°	1014.2	1015.6	1011.3	998.5	992.7	981.3	962.7	939.8	936.9	901.2	855.4
17.5°	1019.9	1021.3	1024.2	1008.5	1008.5	1004.2	994.2	967.0	959.8	928.4	868.3
20°	1017.1	1018.5	1022.8	1019.9	1021.3	1018.5	1025.6	1002.7	994.2	959.8	888.3
22.5°	1029.9	1032.8	1041.4	1042.8	1048.5	1054.2	1057.1	1058.5	1052.8	1012.8	929.8
25°	1034.2	1042.8	1054.2	1070.0	1090.0	1101.5	1117.2	1132.9	1131.5	1091.4	998.5
27.5°	1014.2	1024.2	1060.0	1084.3	1128.6	1160.1	1195.9	1217.3	1217.3	1184.4	1077.1
30°	1032.8	1037.1	1055.7	1090.0	1141.5	1213.0	1268.8	1296.0	1298.9	1277.4	1154.4
32.5°	994.2	1004.2	1050.0	1115.8	1194.4	1273.1	1328.9	1387.5	1390.4	1383.2	1267.4
35°	989.9	995.6	1021.3	1091.4	1193.0	1328.9	1403.3	1477.7	1484.8	1493.4	1377.5
37.5°	945.5	957.0	1007.0	1094.3	1233.1	1366.1	1466.2	1580.7	1592.1	1619.3	1471.9
40°	898.3	906.9	948.4	1042.8	1220.2	1413.3	1527.7	1702.2	1716.5	1739.4	1602.1
42.5°	834.0	851.1	922.6	1021.3	1214.5	1427.6	1596.4	1813.8	1819.5	1859.6	1705.1
45°	773.9	779.6	834.0	947.0	1164.4	1449.1	1647.9	1939.7	1944.0	1969.7	1790.9
47.5°	725.2	732.4	788.2	884.0	1118.6	1443.3	1699.4	2061.3	2081.3	2109.9	1895.4
50°	575.0	590.8	738.1	829.7	1039.9	1433.3	1740.9	2207.2	2230.1	2257.3	2006.9
52.5°	496.4	503.5	577.9	775.3	962.7	1390.4	1779.5	2356.0	2383.1	2368.8	2148.5
55°	462.0	466.3	500.7	668.0	894.0	1308.9	1808.1	2494.7	2523.3	2454.7	2260.1
57.5°	437.7	443.4	463.5	546.4	816.8	1165.8	1811.0	2576.2	2586.3	2526.2	2305.9
60°	404.8	409.1	437.7	477.8	726.7	1015.6	1759.5	2612.0	2659.2	2602.0	2408.9
62.5°	380.5	384.8	403.4	433.4	639.4	895.5	1616.4	2723.6	2755.1	2677.8	2447.5
65°	351.9	351.9	370.5	400.5	583.6	822.5	1542.0	2687.8	2619.2	2656.4	2494.7
67.5°	310.4	313.3	331.9	356.2	489.2	752.4	1358.9	2521.9	2450.4	2553.4	2370.3
70°	276.1	273.2	293.2	311.8	400.5	663.7	1125.8	2350.2	2408.9	2397.4	2255.8
72.5°	230.3	227.4	244.6	264.6	323.3	550.7	889.7	2181.4	2215.8	2144.3	2001.2
75°	178.8	161.6	186.0	211.7	254.6	436.3	630.8	1806.7	1935.4	2021.2	1706.5
77.5°	28.6	28.6	35.8	50.1	83.0	221.7	281.8	992.7	1138.6	1720.8	1496.3
80°	22.9	22.9	25.7	34.3	50.1	121.6	94.4	307.5	343.3	742.4	861.1
82.5°	12.9	12.9	18.6	22.9	31.5	37.2	41.5	150.2	167.4	263.2	333.3
85°	7.2	7.2	10.0	11.4	12.9	12.9	12.9	68.7	77.2	140.2	151.6
87.5°	4.3	4.3	4.3	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4
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°	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7
2.5°	871.1	866.9	859.7	854.0	849.7	845.4	838.2	834.0	834.0	841.1	842.5
5°	864.0	854.0	841.1	835.4	828.2	821.1	809.6	803.9	802.5	806.8	809.6
7.5°	858.3	844.0	831.1	816.8	795.3	776.7	766.7	759.6	762.4	769.6	766.7
10°	841.1	828.2	808.2	786.8	761.0	745.3	729.5	720.9	722.4	726.7	722.4
12.5°	834.0	816.8	783.9	758.1	735.3	705.2	685.2	672.3	672.3	679.5	679.5
15°	834.0	808.2	763.9	732.4	696.6	666.6	643.7	632.3	639.4	635.1	632.3
17.5°	841.1	801.1	751.0	698.1	655.1	625.1	597.9	582.2	586.5	589.3	586.5
20°	849.7	801.1	735.3	670.9	620.8	577.9	547.9	530.7	529.3	530.7	533.6
22.5°	878.3	819.7	725.2	653.7	577.9	536.4	506.4	476.3	474.9	473.5	476.3
25°	926.9	854.0	732.4	622.2	553.6	492.1	454.9	429.1	420.6	419.1	422.0
27.5°	1007.0	914.1	743.8	618.0	509.2	453.5	407.7	379.1	370.5	373.3	371.9
30°	1094.3	991.3	776.7	587.9	483.5	396.2	353.3	329.0	320.4	314.7	316.1
32.5°	1158.7	1068.5	818.2	577.9	433.4	334.7	303.3	289.0	278.9	271.8	270.4
35°	1260.2	1134.4	855.4	555.0	389.1	294.7	268.9	253.2	247.5	243.2	243.2
37.5°	1357.5	1214.5	892.6	547.9	331.9	267.5	236.0	226.0	223.2	220.3	220.3
40°	1454.8	1296.0	914.1	519.3	286.1	234.6	204.6	203.1	207.4	204.6	206.0
42.5°	1574.9	1380.4	935.5	492.1	253.2	200.3	183.1	194.5	203.1	204.6	204.6
45°	1657.9	1437.6	944.1	426.3	218.9	174.5	178.8	191.7	201.7	206.0	204.6
47.5°	1733.7	1514.9	931.2	346.2	190.3	170.2	177.4	186.0	200.3	206.0	206.0
50°	1808.1	1579.2	919.8	256.1	180.2	171.7	177.4	181.7	197.4	203.1	203.1
52.5°	1912.5	1630.7	881.2	214.6	171.7	173.1	181.7	180.2	193.1	201.7	204.6
55°	2057.0	1750.9	806.8	203.1	170.2	171.7	181.7	181.7	190.3	197.4	201.7
57.5°	2121.4	1802.4	680.9	191.7	165.9	170.2	177.4	178.8	188.8	193.1	191.7
60°	2194.3	1866.7	557.9	178.8	158.8	167.4	170.2	175.9	183.1	183.1	181.7
62.5°	2238.7	1882.5	464.9	164.5	150.2	157.4	157.4	163.1	168.8	168.8	168.8
65°	2260.1	1866.7	347.6	151.6	140.2	145.9	144.5	147.3	151.6	144.5	144.5
67.5°	2175.7	1808.1	240.3	134.5	128.7	134.5	133.0	134.5	133.0	127.3	128.7
70°	2031.2	1643.6	165.9	114.4	113.0	123.0	124.4	121.6	113.0	108.7	108.7
72.5°	1849.6	1318.9	114.4	91.5	95.8	108.7	111.6	105.9	97.3	93.0	93.0
75°	1677.9	1140.1	81.5	62.9	64.4	83.0	88.7	88.7	85.8	114.4	121.6
77.5°	1167.3	738.1	47.2	32.9	31.5	47.2	54.4	55.8	107.3	115.9	113.0
80°	692.3	347.6	34.3	20.0	20.0	27.2	37.2	73.0	123.0	83.0	74.4
82.5°	264.6	133.0	21.5	12.9	11.4	14.3	21.5	113.0	71.5	47.2	42.9
85°	95.8	32.9	10.0	7.2	7.2	8.6	12.9	95.8	50.1	35.8	34.3
87.5°	1.4	1.4	2.9	2.9	2.9	1.4	1.4	2.9	2.9	2.9	1.4
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)