

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: P691258

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4208 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
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

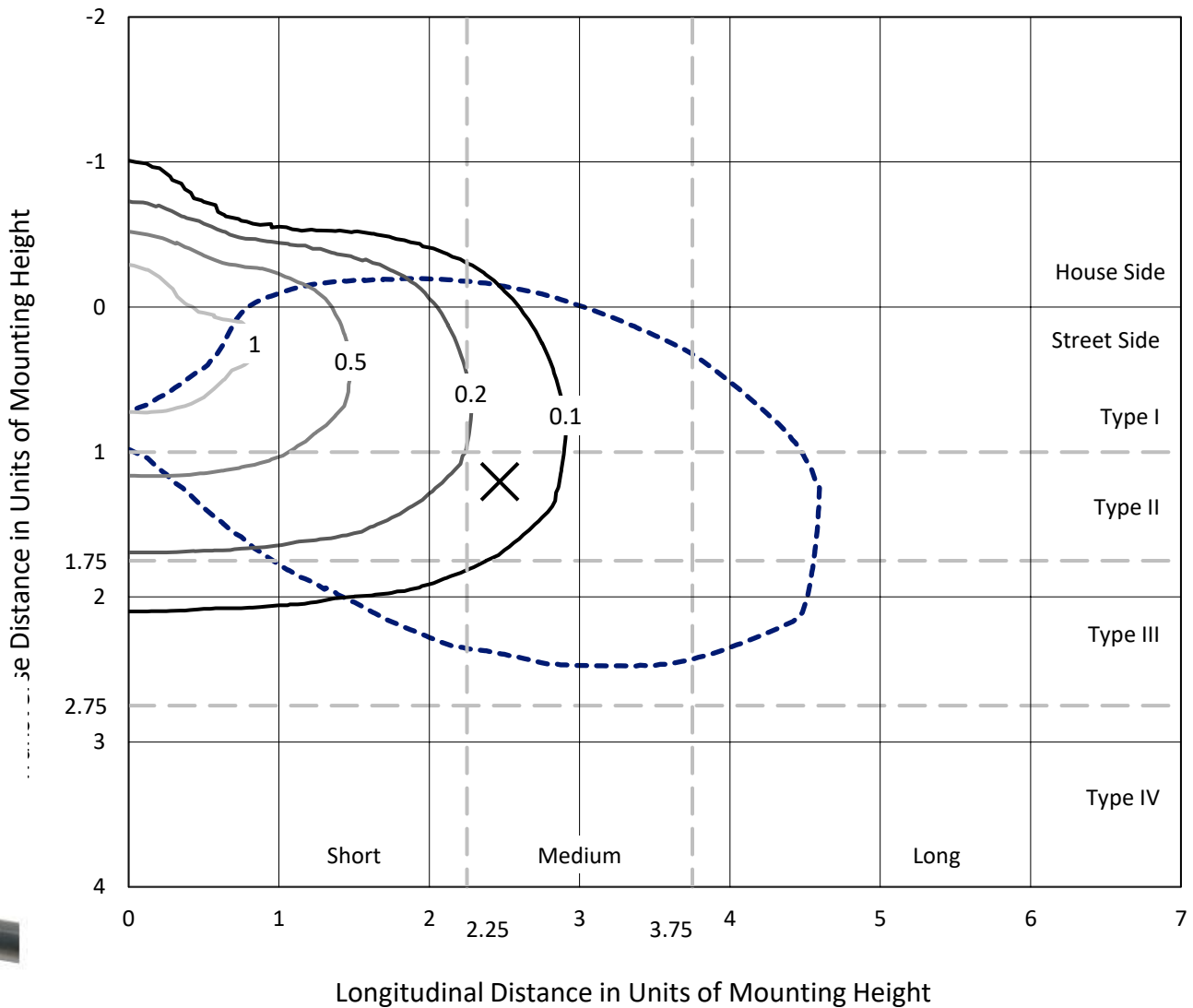


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Iso-Footcandle Lines of Horizontal Illumination

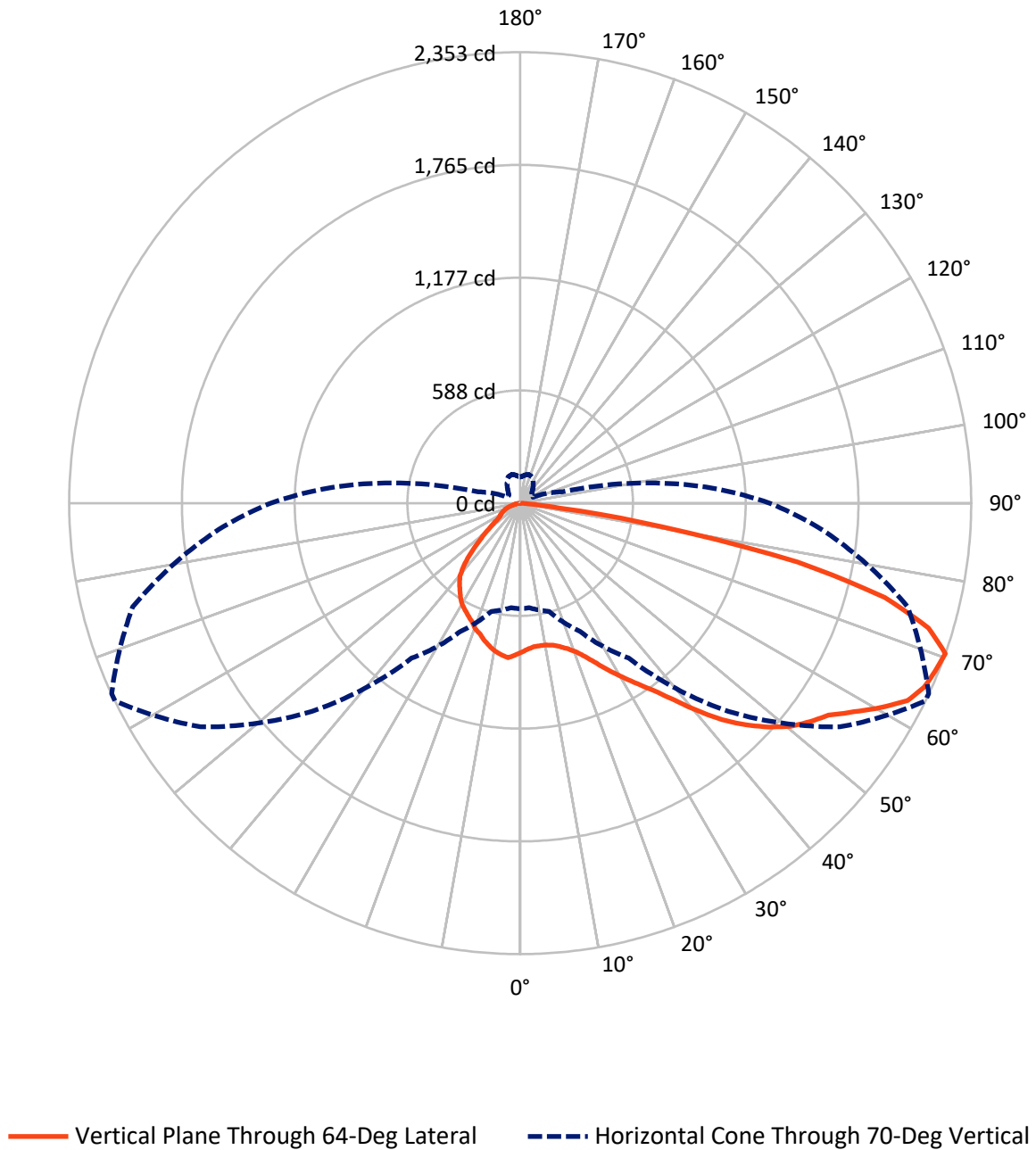
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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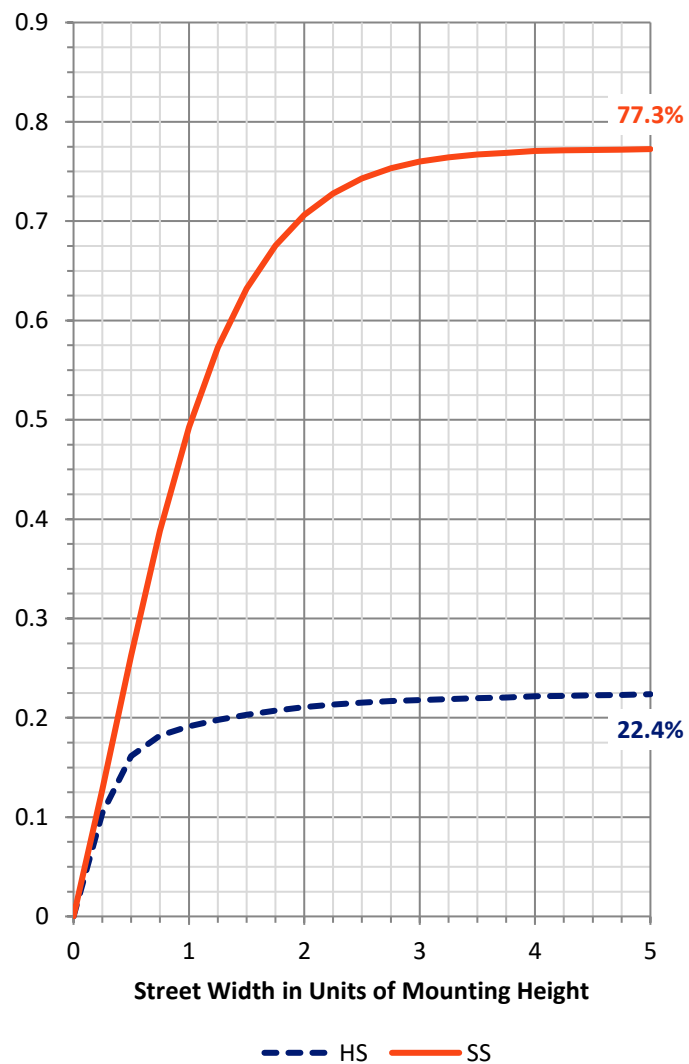
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	955.9	0.0	955.9
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	3252.1	0.0	3252.1
	% Fixture	77.3	0.0	77.3
Total	Lumens	4208.0	0.0	4208.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	1.8
10°-20°	219.5	5.2
20°-30°	364.3	8.7
30°-40°	521.0	12.4
40°-50°	695.8	16.5
50°-60°	840.9	20.0
60°-70°	894.9	21.3
70°-80°	549.7	13.1
80°-90°	47.1	1.1
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°	4208.0	100.0
0°-180°	4208.0	100.0

Coefficient of Utilization



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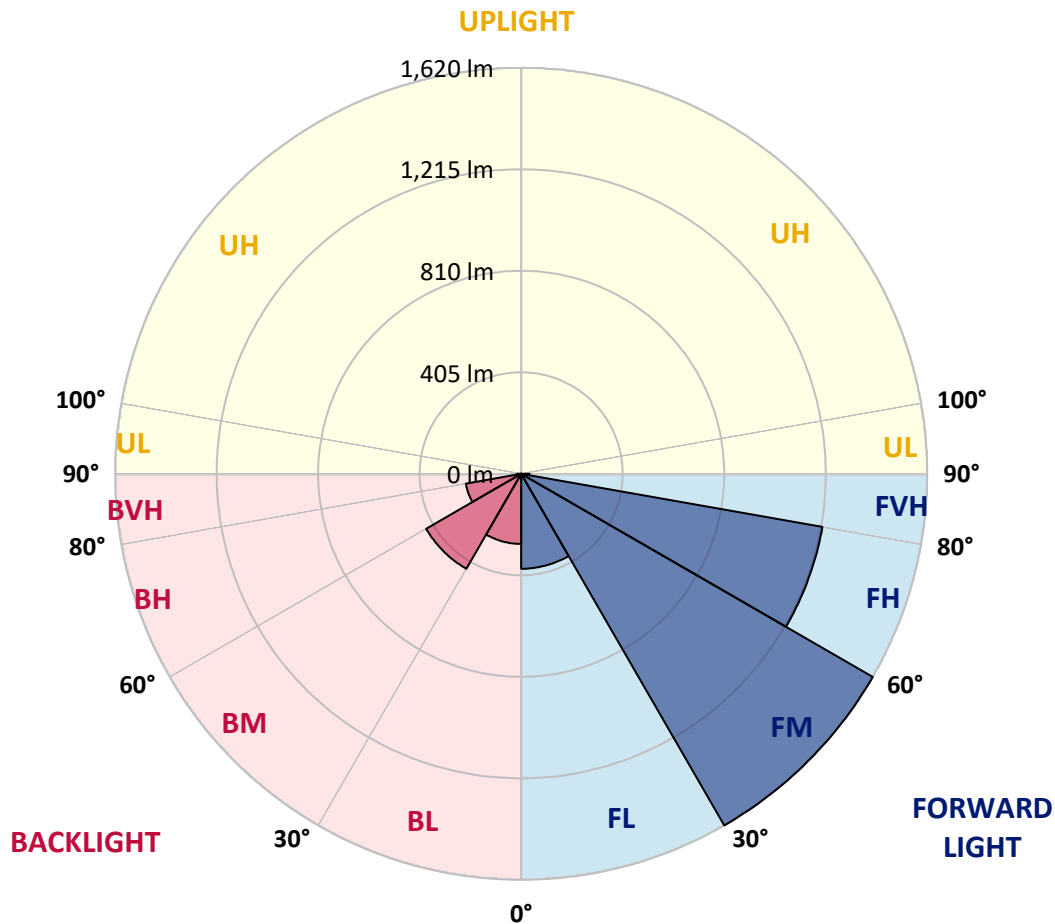
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	378.9	9.0			
FM	(30°-60°)	1620.0	38.5			
FH	(60°-80°)	1220.5	29.0			G1/1800
FVH	(80°-90°)	32.7	0.8			G1/100
BL	(0°-30°)	279.7	6.6	B1/500		
BM	(30°-60°)	437.7	10.4	B1/1000		
BH	(60°-80°)	224.2	5.3	B1/500		G1/500
BVH	(80°-90°)	14.4	0.3			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	759.7	759.7	759.7	759.7	761.1	762.5	761.1	762.5	762.5	765.4	769.7
5°	772.6	772.6	769.7	764.0	759.7	754.0	751.1	752.5	752.5	759.7	771.1
7.5°	776.8	776.8	774.0	774.0	769.7	756.8	752.5	751.1	752.5	755.4	771.1
10°	798.3	796.9	789.7	781.1	775.4	764.0	754.0	752.5	754.0	758.3	775.4
12.5°	821.2	821.2	818.3	811.2	795.4	784.0	766.8	761.1	759.7	764.0	774.0
15°	867.0	861.3	849.8	839.8	828.4	809.8	786.9	776.8	774.0	779.7	775.4
17.5°	894.2	889.9	891.3	875.6	865.6	839.8	816.9	798.3	796.9	802.6	784.0
20°	924.2	922.8	925.6	924.2	908.5	885.6	849.8	826.9	824.1	825.5	796.9
22.5°	970.0	970.0	968.6	968.6	960.0	932.8	892.7	869.8	865.6	855.5	818.3
25°	1020.1	1020.1	1020.1	1022.9	1022.9	991.4	951.4	925.6	922.8	908.5	854.1
27.5°	1067.3	1070.1	1071.6	1073.0	1077.3	1063.0	1018.6	988.6	987.2	968.6	901.3
30°	1104.5	1105.9	1118.8	1121.6	1130.2	1125.9	1083.0	1054.4	1057.3	1032.9	954.3
32.5°	1137.4	1138.8	1157.4	1167.4	1177.4	1178.9	1143.1	1123.1	1123.1	1101.6	1018.6
35°	1168.9	1170.3	1193.2	1217.5	1237.5	1231.8	1211.8	1200.3	1204.6	1197.5	1107.3
37.5°	1196.0	1201.8	1231.8	1267.6	1290.5	1294.7	1286.2	1301.9	1310.5	1321.9	1227.5
40°	1221.8	1224.6	1253.3	1290.5	1329.1	1349.1	1359.1	1423.5	1432.1	1440.7	1296.2
42.5°	1197.5	1203.2	1264.7	1320.5	1369.1	1403.5	1450.7	1545.1	1563.7	1516.5	1389.2
45°	1168.9	1176.0	1237.5	1331.9	1400.6	1463.6	1550.8	1651.0	1665.3	1593.8	1439.2
47.5°	1144.5	1153.1	1216.1	1321.9	1433.5	1545.1	1632.4	1745.4	1754.0	1659.6	1507.9
50°	1117.3	1124.5	1191.7	1309.1	1450.7	1619.5	1718.2	1831.2	1834.1	1713.9	1543.7
52.5°	1081.6	1088.7	1157.4	1289.0	1463.6	1669.6	1789.8	1894.2	1882.8	1784.0	1585.2
55°	1035.8	1045.8	1120.2	1261.8	1470.7	1699.6	1838.4	1952.9	1947.1	1867.0	1639.5
57.5°	987.2	997.2	1073.0	1224.6	1463.6	1718.2	1888.5	2054.4	2053.0	1934.3	1679.6
60°	932.8	941.4	1005.8	1176.0	1424.9	1748.3	1998.6	2164.6	2176.0	2010.1	1695.3
62.5°	861.3	862.7	927.1	1105.9	1374.9	1769.7	2077.3	2269.0	2261.9	2060.2	1698.2
65°	766.8	771.1	828.4	1008.6	1293.3	1752.6	2097.3	2316.2	2316.2	2097.3	1695.3
67.5°	675.3	673.8	722.5	887.0	1167.4	1676.7	2080.2	2336.3	2346.3	2121.7	1658.1
70°	550.8	547.9	585.1	738.2	987.2	1536.5	2035.8	2353.4	2352.0	2093.1	1579.5
72.5°	407.7	406.3	432.1	559.4	755.4	1314.8	1904.2	2227.5	2213.2	1955.7	1426.4
75°	226.0	214.6	213.2	346.2	439.2	921.3	1618.1	1964.3	1970.0	1728.2	1194.6
77.5°	32.9	34.3	35.8	62.9	75.8	344.8	1051.5	1480.7	1477.9	1333.4	871.3
80°	22.9	24.3	25.8	31.5	35.8	81.5	363.4	746.8	789.7	701.0	402.0
82.5°	17.2	17.2	18.6	21.5	20.0	37.2	113.0	207.4	214.6	194.6	118.7
85°	11.4	11.4	10.0	11.4	7.2	10.0	25.8	38.6	41.5	40.1	32.9
87.5°	5.7	5.7	4.3	4.3	2.9	2.9	2.9	1.4	2.9	1.4	2.9
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°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	774.0	776.8	785.4	792.6	801.2	811.2	816.9	822.6	828.4	825.5	829.8
5°	776.8	782.6	795.4	808.3	815.5	816.9	818.3	822.6	831.2	831.2	838.4
7.5°	779.7	789.7	789.7	796.9	806.9	809.8	811.2	814.0	818.3	819.8	818.3
10°	779.7	775.4	782.6	784.0	779.7	786.9	791.2	789.7	794.0	795.4	795.4
12.5°	771.1	769.7	764.0	764.0	762.5	751.1	751.1	762.5	762.5	769.7	771.1
15°	771.1	759.7	752.5	742.5	732.5	728.2	722.5	713.9	716.8	726.8	729.6
17.5°	769.7	756.8	735.4	715.3	708.2	691.0	685.3	685.3	683.9	689.6	691.0
20°	775.4	756.8	723.9	701.0	662.4	656.7	645.2	646.7	648.1	639.5	635.2
22.5°	791.2	768.3	715.3	671.0	640.9	615.2	593.7	579.4	578.0	573.7	578.0
25°	815.5	788.3	716.8	653.8	605.2	568.0	553.7	519.3	503.6	505.0	513.6
27.5°	859.8	812.6	723.9	635.2	576.6	523.6	477.8	456.4	439.2	439.2	442.1
30°	901.3	849.8	721.1	619.5	532.2	466.4	407.7	373.4	367.7	362.0	360.5
32.5°	978.6	897.0	749.7	596.6	490.7	393.4	334.8	287.6	291.9	293.3	296.1
35°	1055.8	972.8	755.4	568.0	430.6	320.5	258.9	233.2	244.6	247.5	250.4
37.5°	1158.8	1067.3	794.0	542.2	369.1	246.1	206.0	194.6	206.0	206.0	207.4
40°	1214.6	1111.6	825.5	516.5	289.0	181.7	161.7	153.1	167.4	178.8	181.7
42.5°	1293.3	1168.9	854.1	465.0	204.6	135.9	124.5	141.6	164.5	176.0	177.4
45°	1333.4	1197.5	844.1	396.3	134.5	110.2	121.6	143.1	166.0	177.4	178.8
47.5°	1387.7	1237.5	824.1	316.2	107.3	108.7	123.0	147.4	170.2	180.3	181.7
50°	1440.7	1279.0	772.6	251.8	103.0	108.7	125.9	148.8	168.8	176.0	174.5
52.5°	1470.7	1317.6	706.7	191.7	103.0	110.2	128.8	151.7	167.4	168.8	168.8
55°	1497.9	1321.9	652.4	148.8	101.6	111.6	131.6	154.5	168.8	168.8	166.0
57.5°	1515.1	1304.8	610.9	128.8	101.6	111.6	131.6	154.5	176.0	180.3	176.0
60°	1507.9	1271.9	582.3	120.2	98.7	110.2	130.2	158.8	216.0	226.0	217.5
62.5°	1490.7	1253.3	520.8	110.2	94.4	105.9	127.3	171.7	231.8	233.2	226.0
65°	1475.0	1191.7	446.4	98.7	88.7	101.6	123.0	174.5	196.0	188.8	187.4
67.5°	1403.5	1111.6	340.5	87.3	80.1	95.9	118.7	160.2	174.5	166.0	163.1
70°	1301.9	971.4	227.5	74.4	71.5	88.7	118.7	150.2	155.9	141.6	135.9
72.5°	1115.9	804.0	124.5	60.1	60.1	81.5	107.3	140.2	144.5	127.3	117.3
75°	908.5	582.3	80.1	45.8	45.8	68.7	97.3	133.1	141.6	123.0	110.2
77.5°	625.2	319.0	55.8	32.9	30.0	52.9	77.3	108.7	125.9	105.9	90.1
80°	211.7	84.4	35.8	21.5	18.6	30.0	51.5	84.4	114.5	108.7	97.3
82.5°	83.0	52.9	24.3	14.3	12.9	14.3	25.8	52.9	91.6	98.7	114.5
85°	24.3	14.3	8.6	7.2	7.2	7.2	7.2	21.5	54.4	71.5	90.1
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	12.9	22.9	30.0
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)