

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: P853304

Luminaire Tested: **CRTK-N-20-740-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-20-740-U-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3580 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

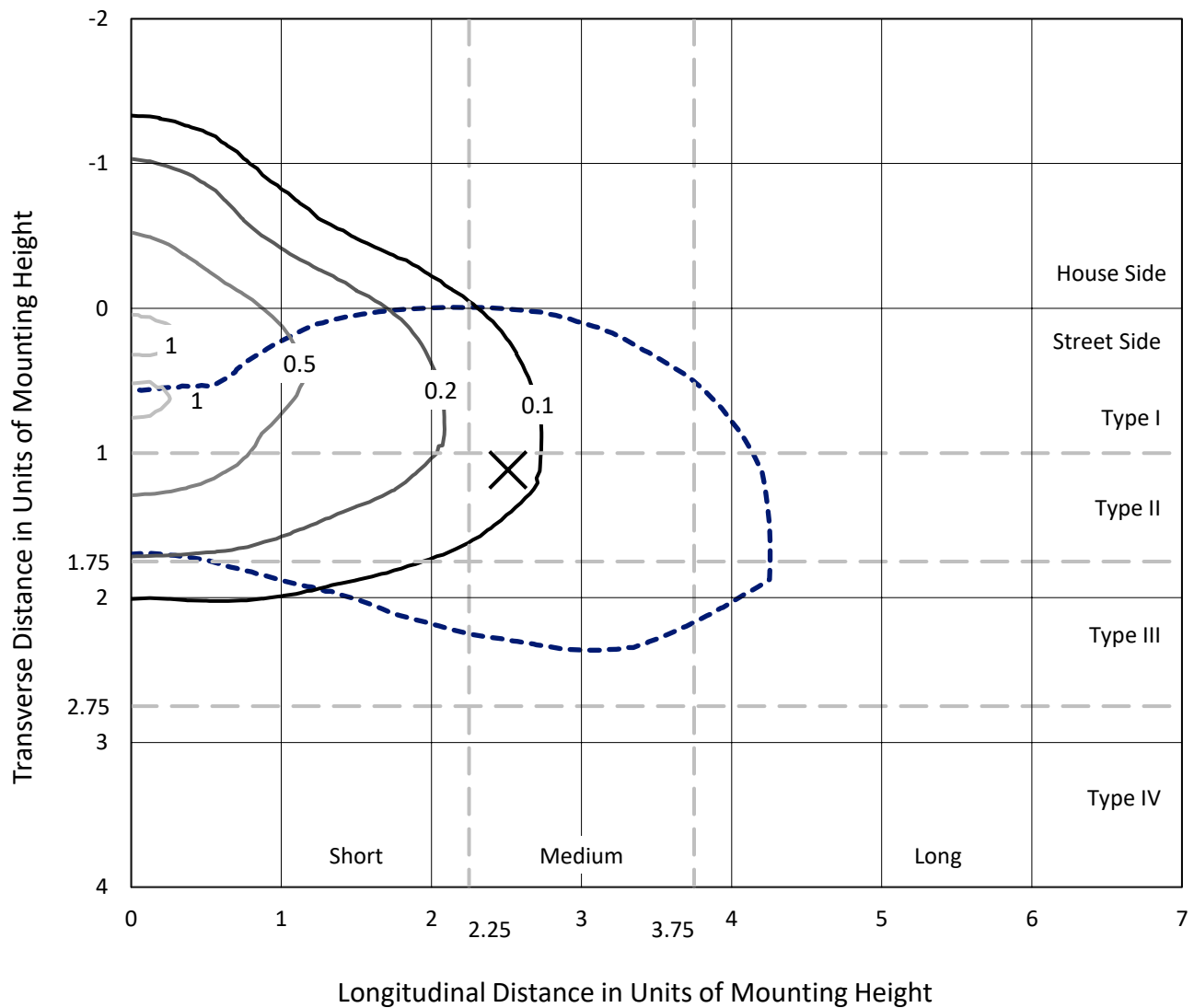


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Iso-Footcandle Lines of Horizontal Illumination

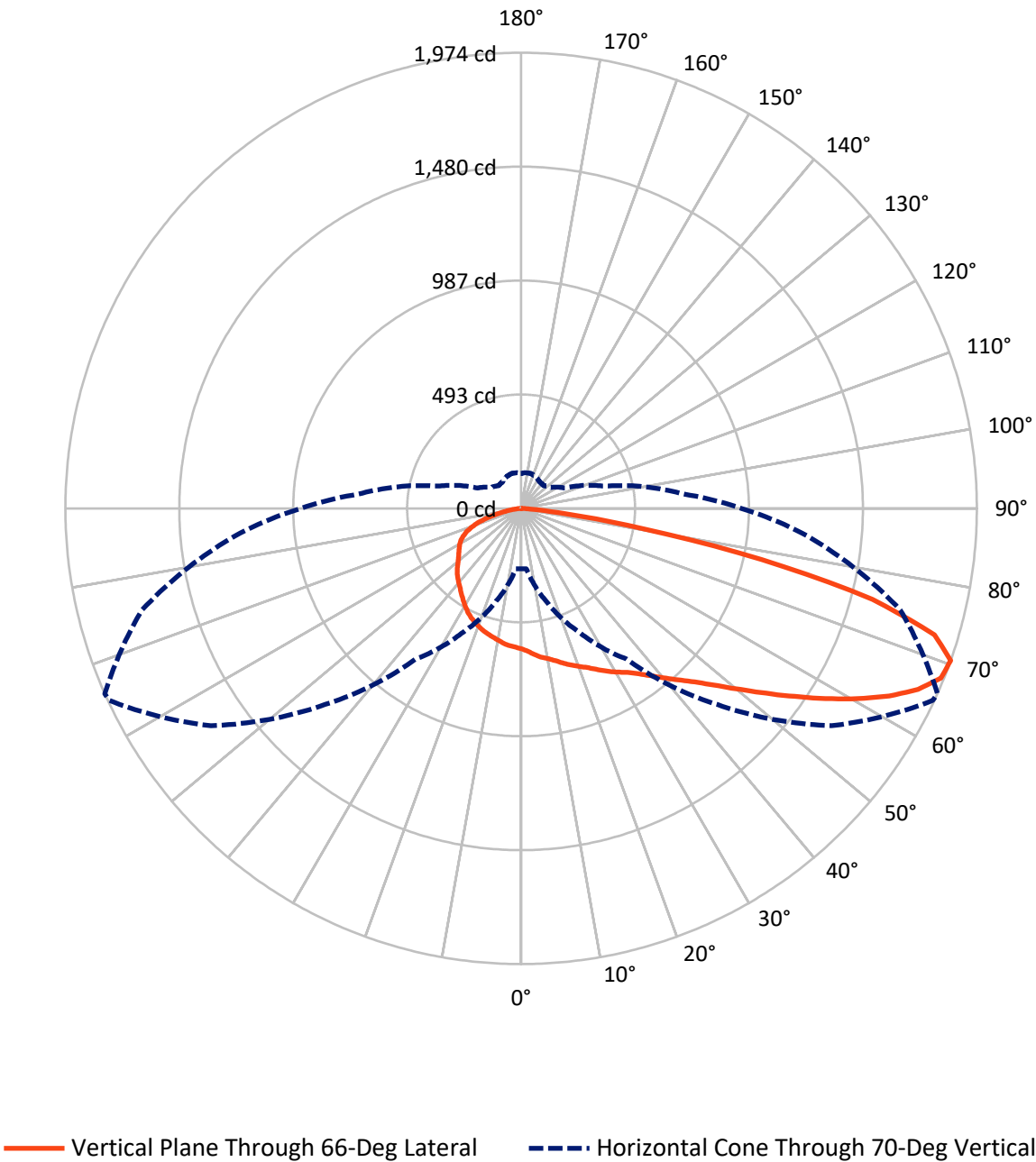
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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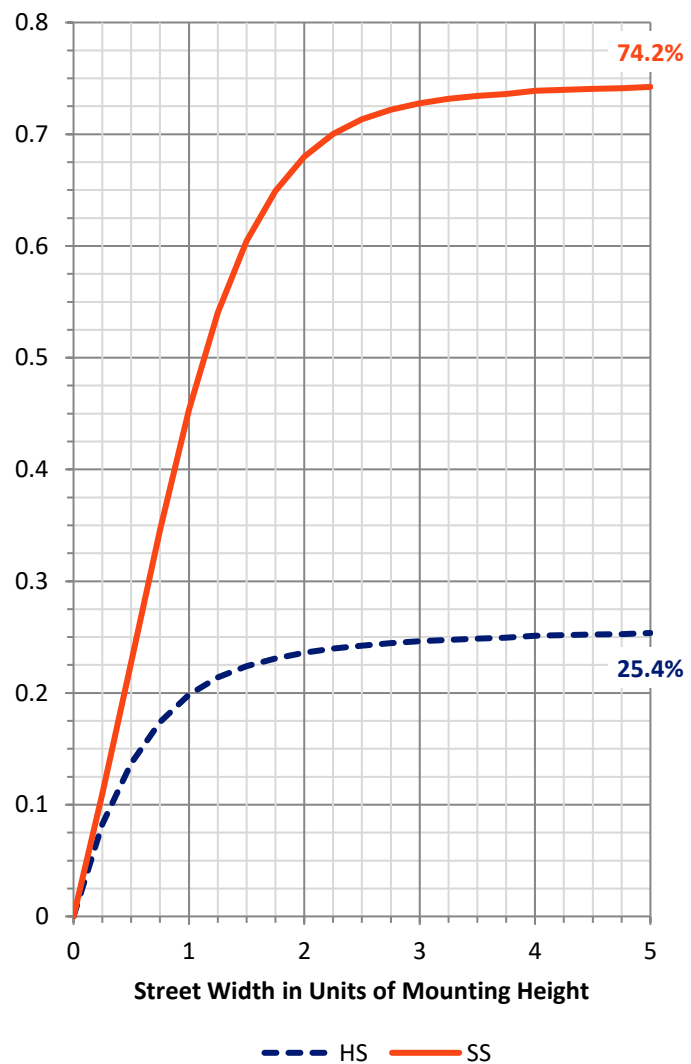
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	917.8	0.0	917.8
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	2662.3	0.0	2662.3
	% Fixture	74.4	0.0	74.4
Total	Lumens	3580.0	0.0	3580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.6
10°-20°	175.2	4.9
20°-30°	296.3	8.3
30°-40°	450.0	12.6
40°-50°	613.7	17.1
50°-60°	729.8	20.4
60°-70°	747.0	20.9
70°-80°	460.0	12.8
80°-90°	49.5	1.4
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°	3580.0	100.0
0°-180°	3580.0	100.0

Coefficient of Utilization



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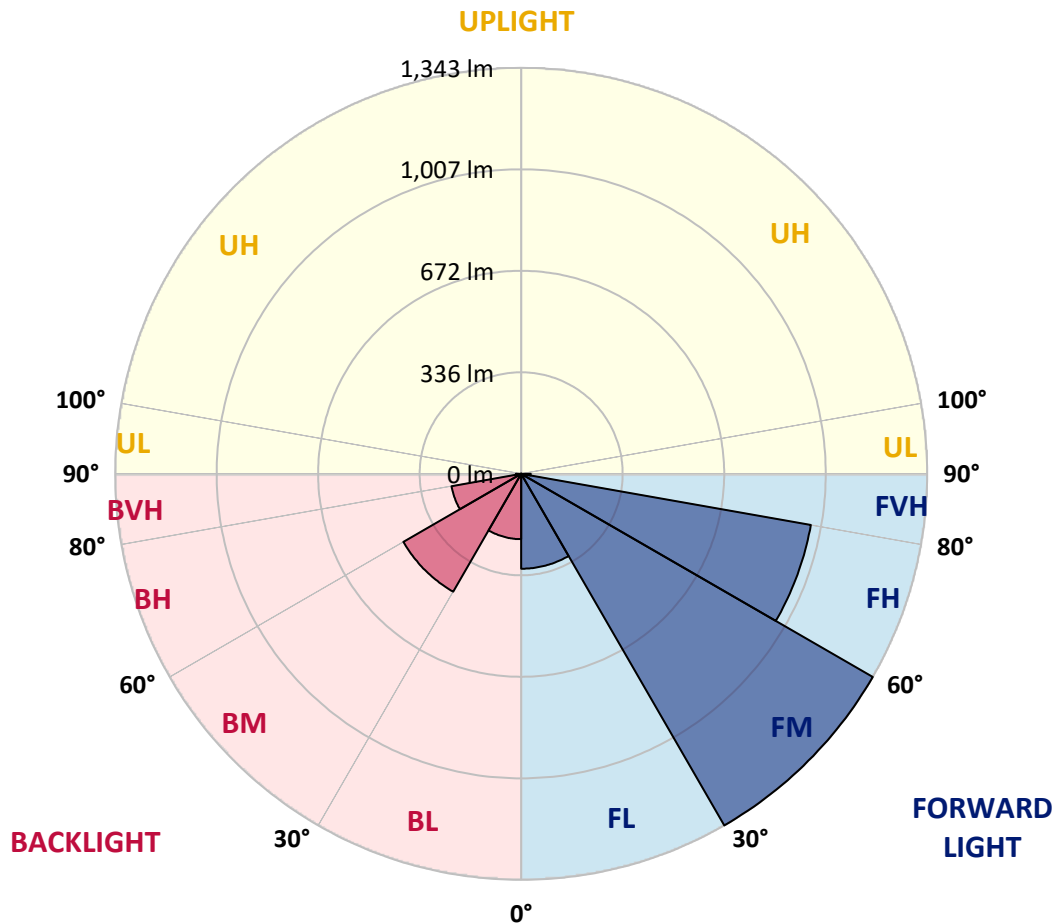
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	313.9	8.8			
FM	(30°-60°)	1343.3	37.5			
FH	(60°-80°)	973.1	27.2			G1/1800
FVH	(80°-90°)	31.9	0.9			G1/100
BL	(0°-30°)	216.1	6.0	B1/500		
BM	(30°-60°)	450.1	12.6	B1/1000		
BH	(60°-80°)	233.9	6.5	B1/500		G1/500
BVH	(80°-90°)	17.6	0.5			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°	65°	66°	75°	85°
0°	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0
2.5°	625.0	627.0	631.0	628.0	630.0	625.0	621.0	622.0	621.0	617.0	607.0
5°	650.0	651.0	657.0	653.0	652.0	648.0	640.0	637.0	637.0	629.0	614.0
7.5°	672.0	673.0	679.0	673.0	673.0	666.0	658.0	652.0	652.0	639.0	620.0
10°	686.0	687.0	692.0	690.0	691.0	682.0	672.0	664.0	663.0	649.0	624.0
12.5°	702.0	703.0	710.0	707.0	708.0	702.0	691.0	679.0	678.0	661.0	630.0
15°	716.0	717.0	723.0	723.0	727.0	720.0	711.0	699.0	697.0	675.0	638.0
17.5°	725.0	726.0	734.9	736.9	742.9	738.9	730.9	717.0	714.0	689.0	646.0
20°	734.9	736.9	744.9	746.9	755.9	755.9	748.9	733.9	730.9	702.0	654.0
22.5°	754.9	758.9	763.9	762.9	770.9	771.9	766.9	753.9	749.9	719.0	664.0
25°	807.9	813.9	813.9	799.9	797.9	792.9	787.9	777.9	773.9	740.9	677.0
27.5°	900.9	899.9	893.9	864.9	838.9	820.9	813.9	802.9	798.9	760.9	690.0
30°	999.9	998.9	990.9	947.9	897.9	851.9	839.9	827.9	822.9	779.9	702.0
32.5°	1094.9	1093.9	1088.9	1038.9	965.9	892.9	872.9	854.9	846.9	802.9	719.0
35°	1172.9	1172.9	1168.9	1117.9	1026.9	944.9	910.9	886.9	879.9	832.9	744.9
37.5°	1243.9	1244.9	1241.9	1185.9	1081.9	994.9	956.9	929.9	920.9	869.9	772.9
40°	1342.9	1335.9	1331.9	1254.9	1133.9	1040.9	1005.9	977.9	966.9	905.9	796.9
42.5°	1418.9	1427.9	1394.9	1315.9	1185.9	1083.9	1055.9	1028.9	1016.9	946.9	827.9
45°	1447.9	1441.9	1417.9	1350.9	1266.9	1126.9	1107.9	1087.9	1074.9	998.9	867.9
47.5°	1459.9	1447.9	1416.9	1370.9	1343.9	1180.9	1165.9	1160.9	1146.9	1060.9	913.9
50°	1430.9	1418.9	1406.9	1381.9	1370.9	1228.9	1228.9	1247.9	1232.9	1130.9	964.9
52.5°	1354.9	1351.9	1363.9	1376.9	1343.9	1261.9	1302.9	1343.9	1329.9	1208.9	1019.9
55°	1214.9	1218.9	1284.9	1338.9	1323.9	1289.9	1382.9	1452.9	1437.9	1295.9	1073.9
57.5°	1096.9	1094.9	1151.9	1279.9	1297.9	1325.9	1471.9	1570.9	1553.9	1387.9	1127.9
60°	960.9	960.9	1026.9	1180.9	1263.9	1359.9	1562.9	1690.9	1673.9	1483.9	1183.9
62.5°	782.9	779.9	894.9	1048.9	1203.9	1378.9	1641.9	1802.9	1788.9	1573.9	1225.9
65°	593.0	591.0	743.9	922.9	1111.9	1367.9	1696.9	1895.9	1888.9	1650.9	1255.9
67.5°	390.0	392.0	574.0	773.9	979.9	1314.9	1704.9	1963.9	1960.9	1698.9	1259.9
70°	261.0	262.0	415.0	590.0	796.9	1200.9	1640.9	1967.9	1973.9	1699.9	1220.9
72.5°	187.0	189.0	290.0	418.0	556.0	992.9	1500.9	1851.9	1871.9	1599.9	1093.9
75°	130.0	132.0	190.0	261.0	332.0	670.0	1213.9	1535.9	1571.9	1348.9	886.9
77.5°	88.0	87.0	106.0	170.0	198.0	363.0	759.9	1022.9	1064.9	907.9	627.0
80°	67.0	66.0	70.0	93.0	100.0	154.0	329.0	493.0	535.0	419.0	290.0
82.5°	45.0	43.0	45.0	53.0	51.0	65.0	92.0	167.0	192.0	192.0	128.0
85°	21.0	21.0	24.0	25.0	21.0	26.0	27.0	32.0	37.0	38.0	28.0
87.5°	2.0	2.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
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°	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0
2.5°	605.0	604.0	604.0	602.0	598.0	593.0	588.0	585.0	583.0	584.0	585.0
5°	611.0	608.0	602.0	597.0	589.0	579.0	573.0	567.0	564.0	566.0	568.0
7.5°	615.0	610.0	599.0	590.0	577.0	566.0	557.0	550.0	545.0	546.0	546.0
10°	616.0	607.0	593.0	579.0	562.0	548.0	537.0	529.0	525.0	524.0	525.0
12.5°	620.0	608.0	587.0	570.0	549.0	532.0	520.0	511.0	506.0	507.0	507.0
15°	624.0	609.0	584.0	561.0	537.0	519.0	505.0	496.0	491.0	492.0	491.0
17.5°	628.0	610.0	580.0	552.0	524.0	504.0	490.0	481.0	476.0	479.0	479.0
20°	632.0	611.0	573.0	541.0	510.0	489.0	476.0	466.0	461.0	466.0	466.0
22.5°	637.0	612.0	566.0	529.0	495.0	475.0	461.0	453.0	450.0	454.0	455.0
25°	645.0	613.0	560.0	516.0	480.0	459.0	448.0	444.0	443.0	449.0	451.0
27.5°	652.0	617.0	552.0	501.0	463.0	443.0	436.0	436.0	439.0	447.0	450.0
30°	659.0	617.0	543.0	483.0	443.0	424.0	423.0	429.0	434.0	442.0	446.0
32.5°	670.0	620.0	532.0	465.0	422.0	406.0	412.0	421.0	428.0	436.0	439.0
35°	689.0	631.0	525.0	446.0	399.0	390.0	402.0	416.0	420.0	427.0	430.0
37.5°	710.0	647.0	522.0	428.0	379.0	375.0	393.0	408.0	410.0	413.0	416.0
40°	725.0	654.0	517.0	412.0	360.0	360.0	380.0	394.0	391.0	393.0	395.0
42.5°	742.9	657.0	506.0	398.0	344.0	344.0	362.0	374.0	370.0	374.0	377.0
45°	767.9	664.0	491.0	384.0	330.0	326.0	339.0	349.0	358.0	373.0	376.0
47.5°	798.9	679.0	478.0	366.0	317.0	304.0	312.0	329.0	341.0	357.0	360.0
50°	832.9	693.0	468.0	347.0	303.0	281.0	285.0	304.0	311.0	321.0	322.0
52.5°	866.9	706.0	459.0	331.0	287.0	254.0	261.0	280.0	284.0	290.0	290.0
55°	900.9	718.0	449.0	318.0	268.0	230.0	238.0	257.0	260.0	266.0	267.0
57.5°	935.9	730.9	443.0	306.0	246.0	213.0	219.0	236.0	241.0	246.0	246.0
60°	964.9	740.9	439.0	294.0	226.0	196.0	200.0	215.0	221.0	224.0	225.0
62.5°	984.9	745.9	435.0	280.0	208.0	180.0	183.0	198.0	205.0	207.0	207.0
65°	995.9	745.9	427.0	260.0	191.0	165.0	166.0	181.0	189.0	194.0	195.0
67.5°	989.9	737.9	407.0	238.0	175.0	152.0	153.0	166.0	174.0	179.0	179.0
70°	954.9	708.0	373.0	209.0	159.0	139.0	140.0	151.0	157.0	155.0	151.0
72.5°	853.9	633.0	318.0	178.0	143.0	127.0	128.0	137.0	133.0	131.0	132.0
75°	695.0	501.0	239.0	138.0	120.0	112.0	115.0	118.0	114.0	116.0	115.0
77.5°	476.0	325.0	164.0	100.0	96.0	94.0	100.0	100.0	97.0	100.0	97.0
80°	215.0	152.0	93.0	65.0	67.0	68.0	75.0	75.0	79.0	82.0	81.0
82.5°	94.0	76.0	50.0	38.0	41.0	45.0	51.0	56.0	63.0	66.0	65.0
85°	24.0	20.0	20.0	18.0	24.0	24.0	29.0	33.0	34.0	34.0	34.0
87.5°	3.0	3.0	4.0	4.0	6.0	5.0	7.0	6.0	6.0	8.0	9.0
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)