

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: P853301

Luminaire Tested: **CRTK-N-20-740-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-1)
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-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3594.1 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

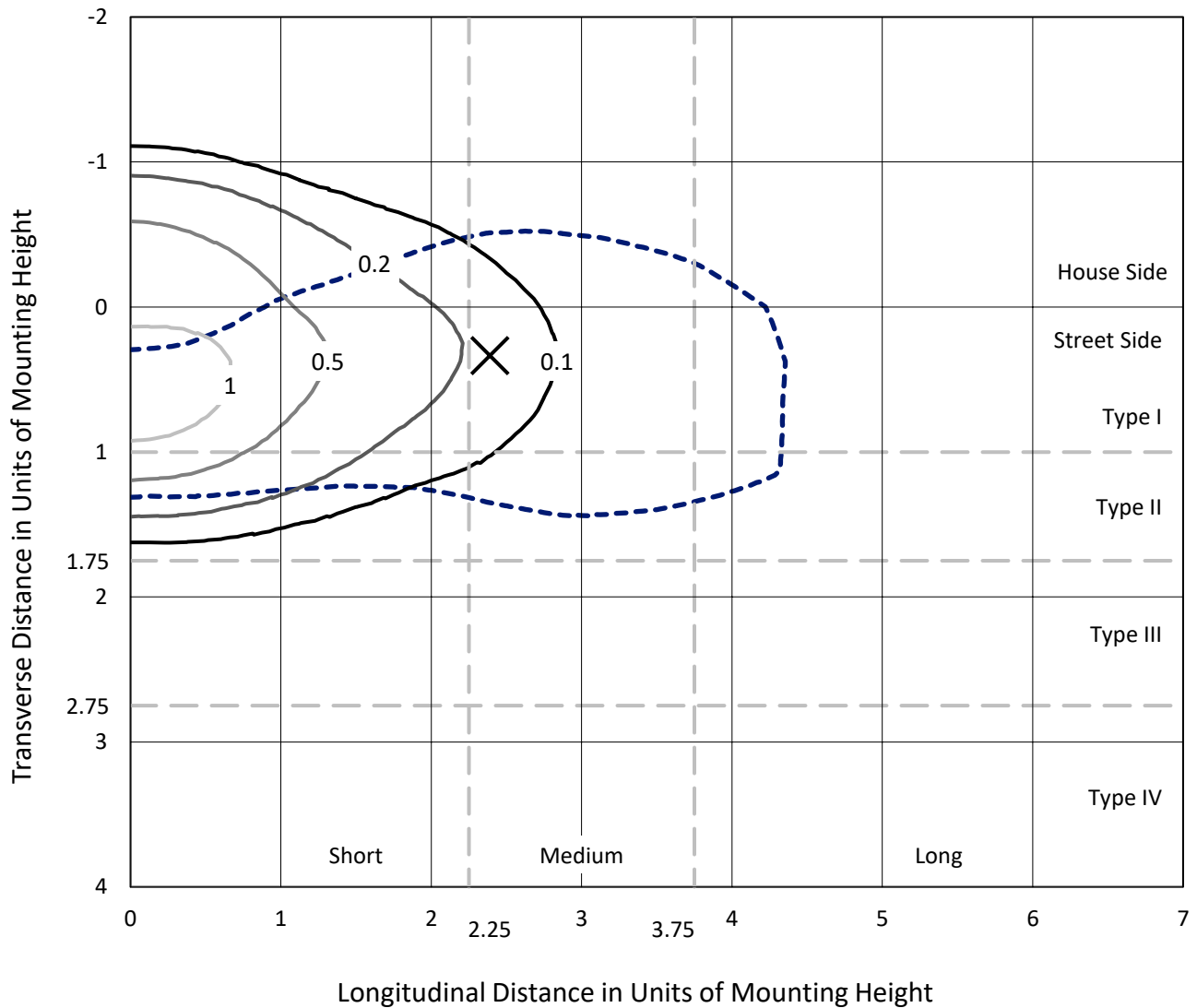
Input Watts (W): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

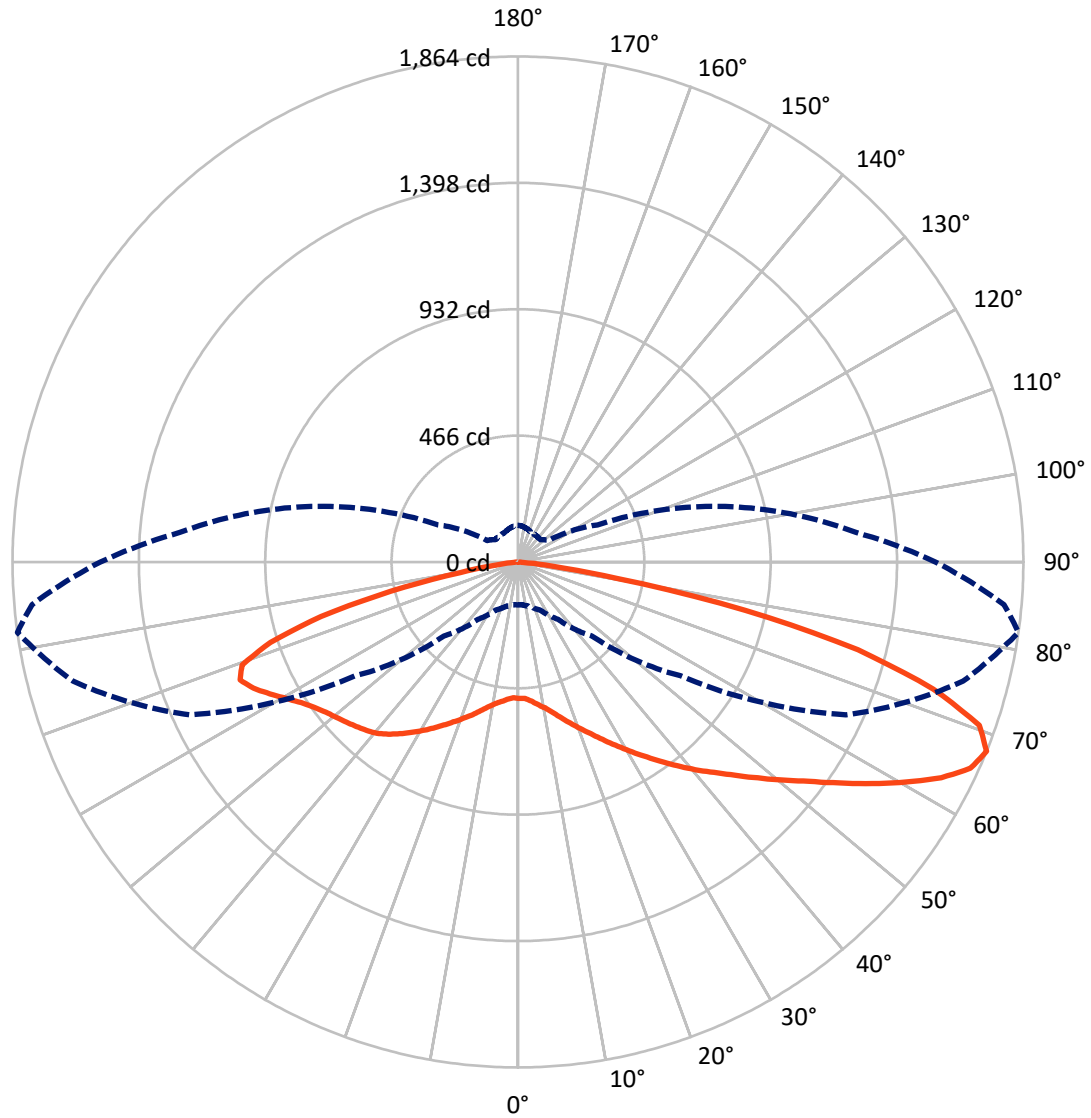
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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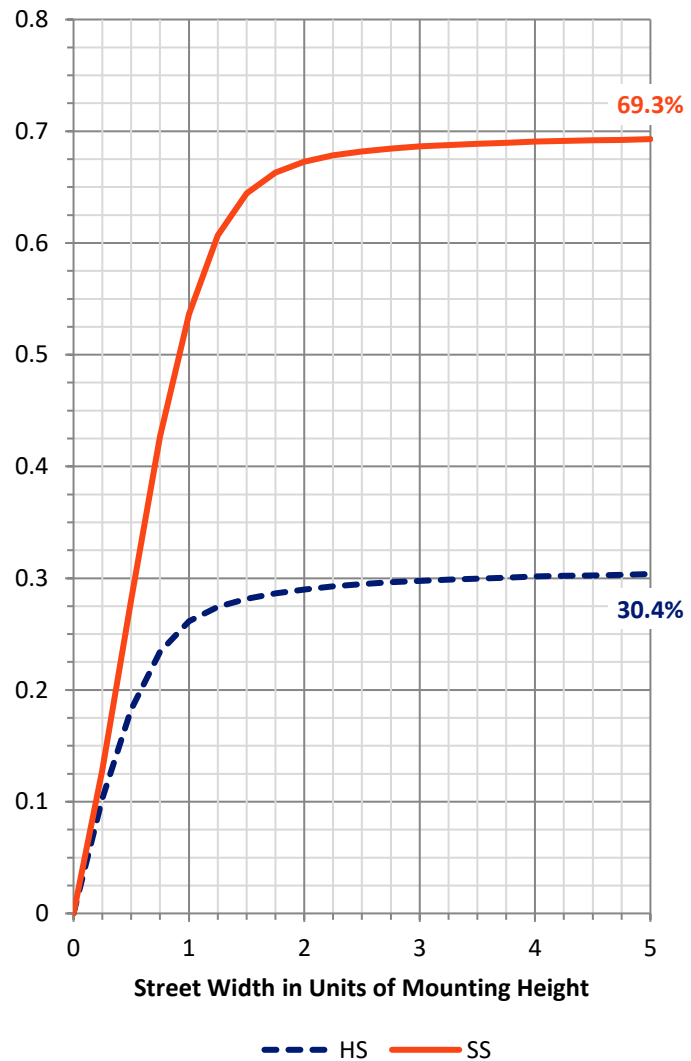
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1101.6	0.0	1101.6
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	2492.5	0.0	2492.5
	% Fixture	69.4	0.0	69.4
Total	Lumens	3594.1	0.0	3594.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.4
10°-20°	187.5	5.2
20°-30°	377.0	10.5
30°-40°	594.2	16.5
40°-50°	728.0	20.3
50°-60°	693.2	19.3
60°-70°	581.6	16.2
70°-80°	344.3	9.6
80°-90°	36.4	1.0
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°	3594.1	100.0
0°-180°	3594.1	100.0



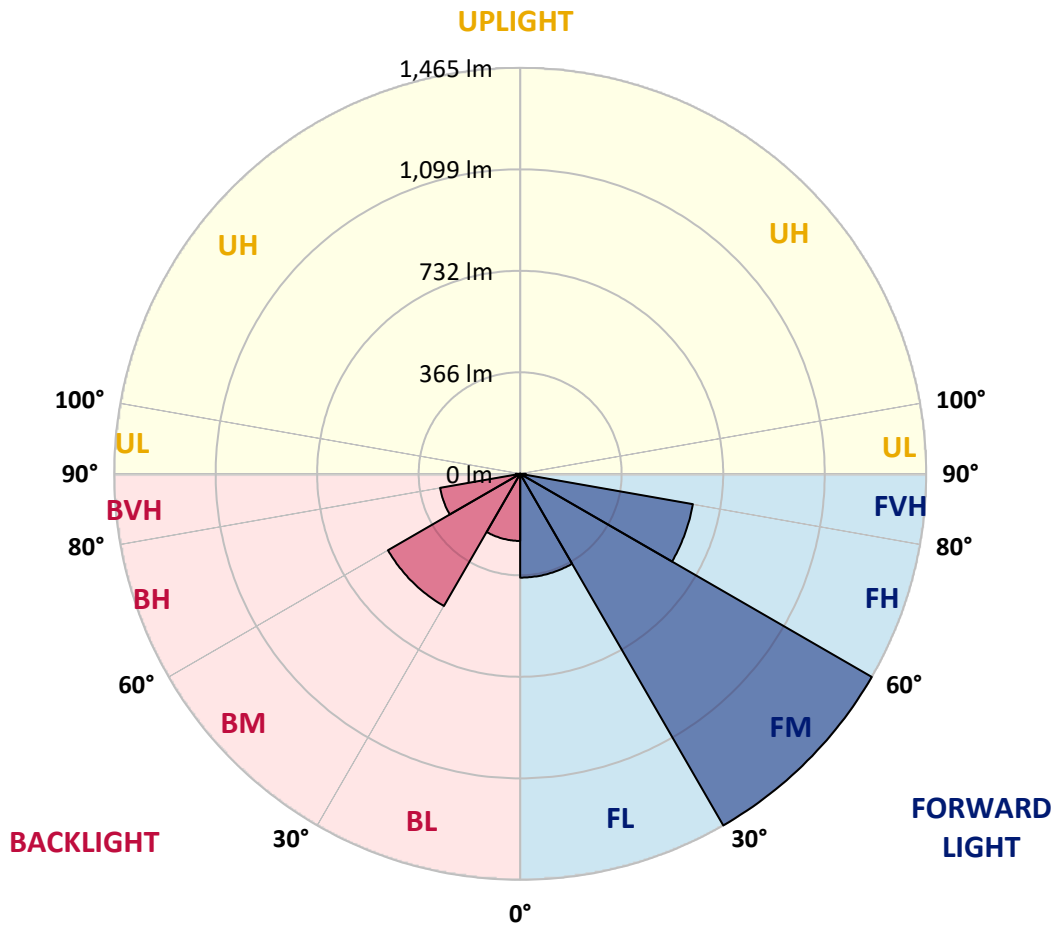
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.5	10.4			
FM (30°-60°)	1464.7	40.8			
FH (60°-80°)	632.7	17.6			G0/660
FVH (80°-90°)	20.6	0.6			G1/100
BL (0°-30°)	242.0	6.7	B1/500		
BM (30°-60°)	550.7	15.3	B1/1000		
BH (60°-80°)	293.2	8.2	B1/500		G1/500
BVH (80°-90°)	15.7	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0
2.5°	526.0	527.0	529.0	527.0	526.0	522.0	518.0	516.0	512.0	504.0	502.0
5°	575.0	576.0	578.0	570.0	566.0	555.0	545.0	536.0	526.0	515.0	513.0
7.5°	635.0	639.0	636.0	624.0	612.0	596.0	579.0	563.0	545.0	531.0	527.0
10°	702.0	708.0	702.0	684.0	668.0	642.0	616.0	592.0	566.0	547.0	542.0
12.5°	781.0	782.0	779.0	754.0	732.0	696.0	660.0	628.0	594.0	569.0	562.0
15°	867.0	874.0	864.0	833.0	802.0	756.0	710.0	669.0	627.0	596.0	588.0
17.5°	960.0	963.0	955.0	917.0	878.0	820.0	763.0	712.0	661.0	625.0	615.0
20°	1057.0	1059.0	1049.0	999.0	956.0	887.0	819.0	757.0	697.0	655.0	642.0
22.5°	1157.0	1160.0	1142.0	1090.0	1037.0	959.0	879.0	803.0	737.0	688.0	672.0
25°	1277.0	1277.0	1254.0	1192.0	1128.0	1039.0	948.0	859.0	781.0	725.0	705.0
27.5°	1400.0	1394.0	1374.0	1303.0	1226.0	1124.0	1022.0	923.0	831.0	765.0	742.0
30°	1510.9	1509.9	1485.9	1409.0	1321.0	1208.0	1095.0	988.0	884.0	808.0	782.0
32.5°	1591.9	1592.9	1570.9	1499.9	1407.0	1290.0	1168.0	1052.0	936.0	853.0	826.0
35°	1650.9	1650.9	1632.9	1569.9	1481.9	1368.0	1244.0	1120.0	993.0	902.0	873.0
37.5°	1669.9	1665.9	1657.9	1609.9	1533.9	1434.0	1319.0	1192.0	1053.0	953.0	918.0
40°	1640.9	1632.9	1640.9	1611.9	1556.9	1480.9	1384.0	1265.0	1116.0	1007.0	965.0
42.5°	1578.9	1567.9	1583.9	1569.9	1545.9	1504.9	1433.0	1334.0	1182.0	1061.0	1012.0
45°	1497.9	1482.9	1501.9	1498.9	1494.9	1497.9	1462.0	1395.0	1254.0	1121.0	1066.0
47.5°	1379.0	1357.0	1397.0	1413.0	1427.0	1459.0	1464.9	1444.0	1330.0	1190.0	1125.0
50°	1186.0	1169.0	1239.0	1298.0	1342.0	1396.0	1439.0	1471.9	1407.0	1264.0	1190.0
52.5°	939.0	921.0	1016.0	1137.0	1235.0	1319.0	1385.0	1477.9	1480.9	1343.0	1264.0
55°	683.0	689.0	777.0	922.0	1089.0	1230.0	1317.0	1462.9	1548.9	1438.0	1354.0
57.5°	485.0	490.0	566.0	687.0	900.0	1115.0	1253.0	1429.0	1613.9	1541.9	1458.0
60°	331.0	346.0	402.0	494.0	687.0	957.0	1188.0	1388.0	1662.9	1646.9	1567.9
62.5°	243.0	251.0	286.0	355.0	490.0	757.0	1091.0	1359.0	1694.9	1751.9	1662.9
65°	189.0	193.0	213.0	259.0	351.0	551.0	936.0	1353.0	1706.9	1833.9	1758.9
67.5°	158.0	158.0	169.0	196.0	258.0	386.0	732.0	1334.0	1698.9	1863.9	1798.9
70°	133.0	132.0	141.0	158.0	194.0	275.0	516.0	1244.0	1655.9	1804.9	1748.9
72.5°	108.0	108.0	120.0	131.0	152.0	200.0	338.0	1051.0	1525.9	1601.9	1560.9
75°	87.0	86.0	95.0	110.0	120.0	146.0	212.0	765.0	1300.0	1295.0	1251.0
77.5°	67.0	66.0	74.0	90.0	97.0	108.0	138.0	461.0	902.0	857.0	860.0
80°	51.0	49.0	54.0	66.0	68.0	70.0	77.0	188.0	405.0	370.0	369.0
82.5°	32.0	32.0	34.0	42.0	40.0	41.0	35.0	63.0	143.0	122.0	126.0
85°	12.0	12.0	15.0	18.0	16.0	15.0	11.0	14.0	22.0	17.0	16.0
87.5°	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0
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°	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0
2.5°	501.0	501.0	501.0	502.0	499.0	497.0	494.0	492.0	492.0	493.0	495.0
5°	510.0	509.0	508.0	508.0	505.0	503.0	501.0	499.0	499.0	501.0	501.0
7.5°	522.0	520.0	517.0	517.0	515.0	513.0	512.0	510.0	511.0	512.0	513.0
10°	535.0	532.0	529.0	529.0	527.0	525.0	525.0	522.0	523.0	524.0	525.0
12.5°	553.0	550.0	544.0	546.0	544.0	542.0	540.0	537.0	535.0	537.0	537.0
15°	576.0	571.0	565.0	567.0	564.0	560.0	557.0	551.0	549.0	549.0	550.0
17.5°	600.0	594.0	586.0	588.0	583.0	576.0	569.0	562.0	559.0	558.0	558.0
20°	625.0	616.0	606.0	608.0	598.0	587.0	577.0	565.0	560.0	558.0	558.0
22.5°	650.0	640.0	627.0	625.0	610.0	593.0	577.0	562.0	553.0	551.0	550.0
25°	679.0	666.0	649.0	643.0	621.0	596.0	573.0	554.0	543.0	540.0	539.0
27.5°	711.0	694.0	672.0	658.0	627.0	593.0	563.0	540.0	527.0	522.0	522.0
30°	743.0	723.0	693.0	669.0	626.0	583.0	547.0	519.0	504.0	497.0	497.0
32.5°	779.0	752.0	713.0	674.0	619.0	567.0	525.0	493.0	475.0	467.0	466.0
35°	818.0	785.0	730.0	676.0	608.0	547.0	500.0	465.0	447.0	437.0	436.0
37.5°	859.0	817.0	743.0	673.0	593.0	524.0	473.0	438.0	414.0	398.0	397.0
40°	896.0	847.0	753.0	665.0	574.0	499.0	445.0	398.0	365.0	347.0	345.0
42.5°	930.0	868.0	758.0	653.0	553.0	469.0	406.0	347.0	313.0	295.0	294.0
45°	967.0	890.0	757.0	639.0	525.0	435.0	357.0	297.0	267.0	252.0	251.0
47.5°	1007.0	912.0	757.0	623.0	494.0	391.0	308.0	254.0	226.0	213.0	212.0
50°	1049.0	936.0	754.0	604.0	458.0	339.0	260.0	213.0	191.0	181.0	181.0
52.5°	1099.0	962.0	753.0	581.0	415.0	288.0	217.0	180.0	163.0	158.0	158.0
55°	1159.0	994.0	755.0	553.0	365.0	238.0	183.0	157.0	147.0	145.0	145.0
57.5°	1234.0	1035.0	761.0	522.0	310.0	195.0	158.0	144.0	141.0	140.0	140.0
60°	1318.0	1085.0	772.0	487.0	257.0	163.0	143.0	138.0	137.0	141.0	141.0
62.5°	1406.0	1141.0	790.0	442.0	210.0	141.0	134.0	132.0	133.0	140.0	140.0
65°	1487.9	1199.0	805.0	390.0	169.0	128.0	126.0	126.0	131.0	139.0	139.0
67.5°	1539.9	1251.0	791.0	324.0	138.0	117.0	118.0	119.0	127.0	134.0	135.0
70°	1519.9	1248.0	709.0	245.0	114.0	107.0	110.0	112.0	117.0	127.0	130.0
72.5°	1381.0	1134.0	550.0	167.0	96.0	96.0	101.0	104.0	107.0	117.0	123.0
75°	1152.0	919.0	367.0	110.0	80.0	87.0	92.0	93.0	96.0	105.0	108.0
77.5°	806.0	600.0	202.0	74.0	63.0	71.0	77.0	81.0	85.0	89.0	91.0
80°	353.0	267.0	97.0	49.0	47.0	53.0	58.0	66.0	73.0	80.0	81.0
82.5°	116.0	94.0	44.0	28.0	28.0	34.0	39.0	49.0	57.0	68.0	68.0
85°	16.0	12.0	13.0	11.0	12.0	16.0	20.0	26.0	29.0	29.0	25.0
87.5°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0	1.0
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)