

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: P691074

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691074
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-C013-5TLD-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: 3052 lumens
Efficiency: N/A
Efficacy: 131.6 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



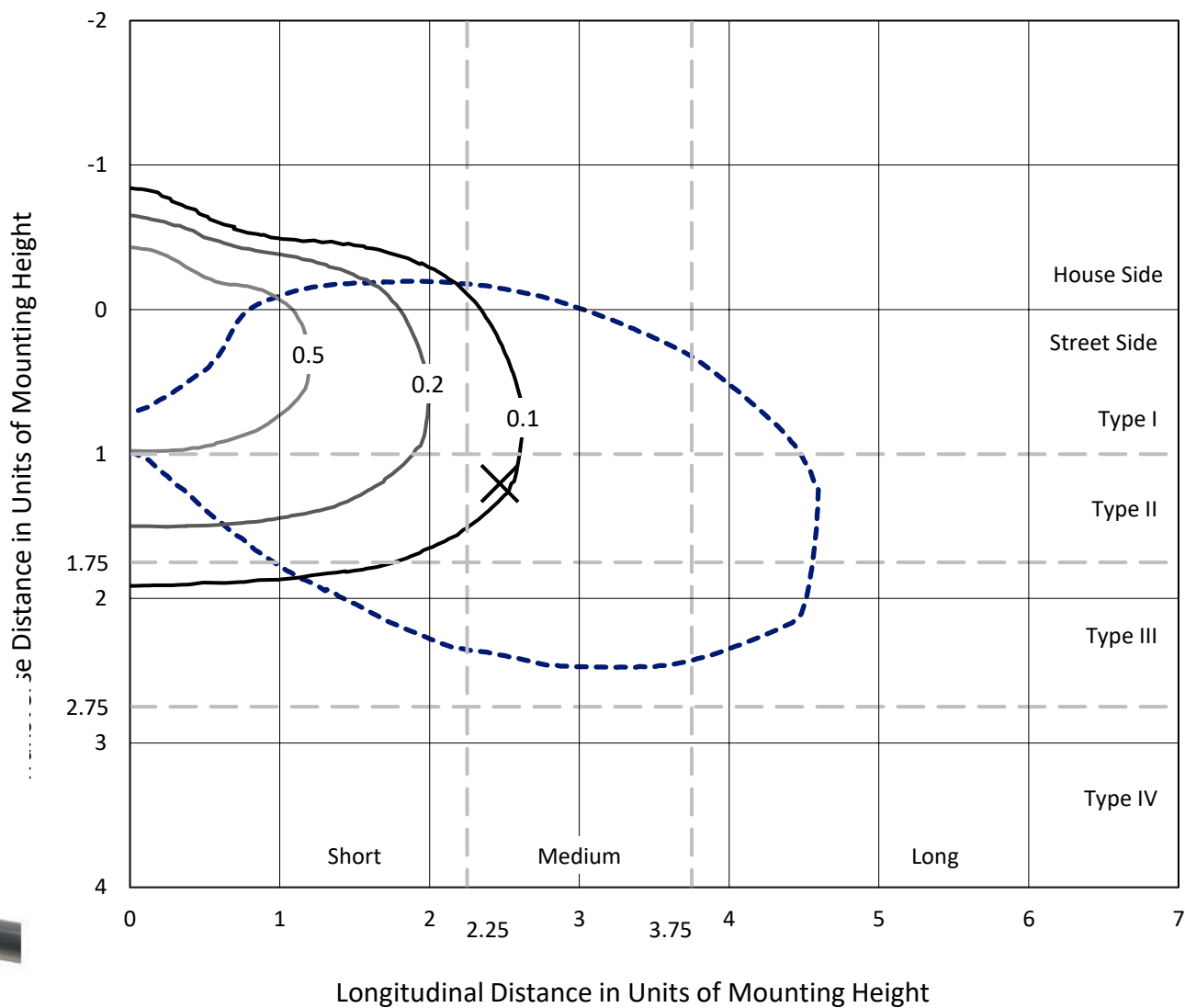
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

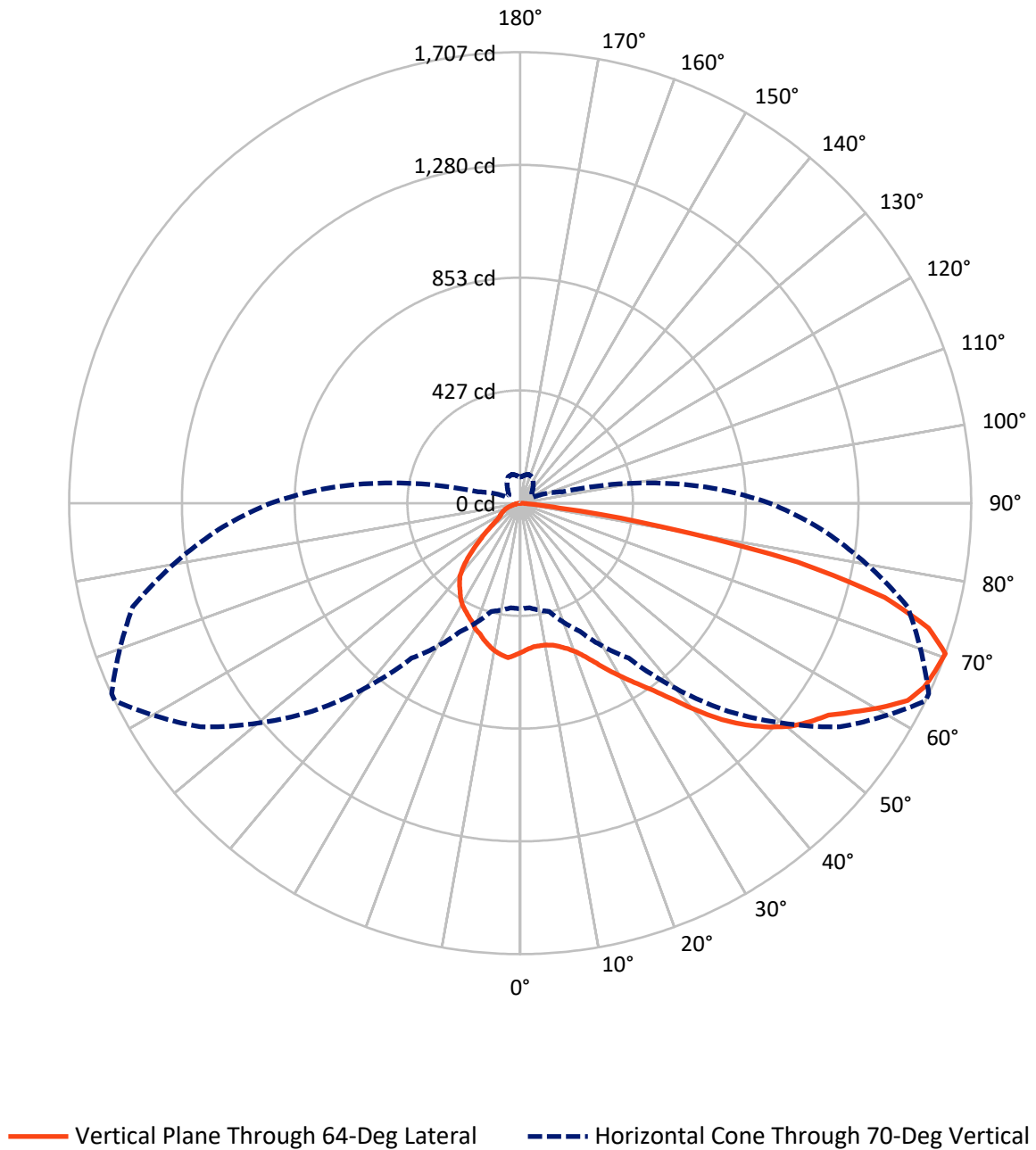


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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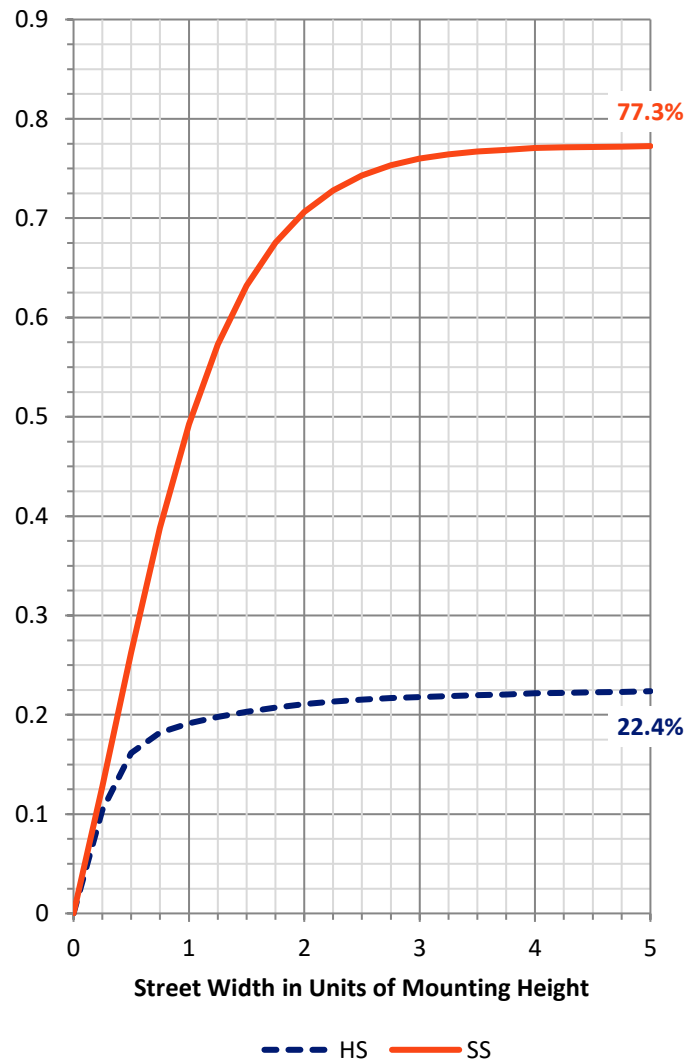
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	693.3	0.0	693.3
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	2358.7	0.0	2358.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	3052.0	0.0	3052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.8
10°-20°	159.2	5.2
20°-30°	264.2	8.7
30°-40°	377.9	12.4
40°-50°	504.6	16.5
50°-60°	609.9	20.0
60°-70°	649.1	21.3
70°-80°	398.7	13.1
80°-90°	34.2	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°	3052.0	100.0
0°-180°	3052.0	100.0

Coefficient of Utilization



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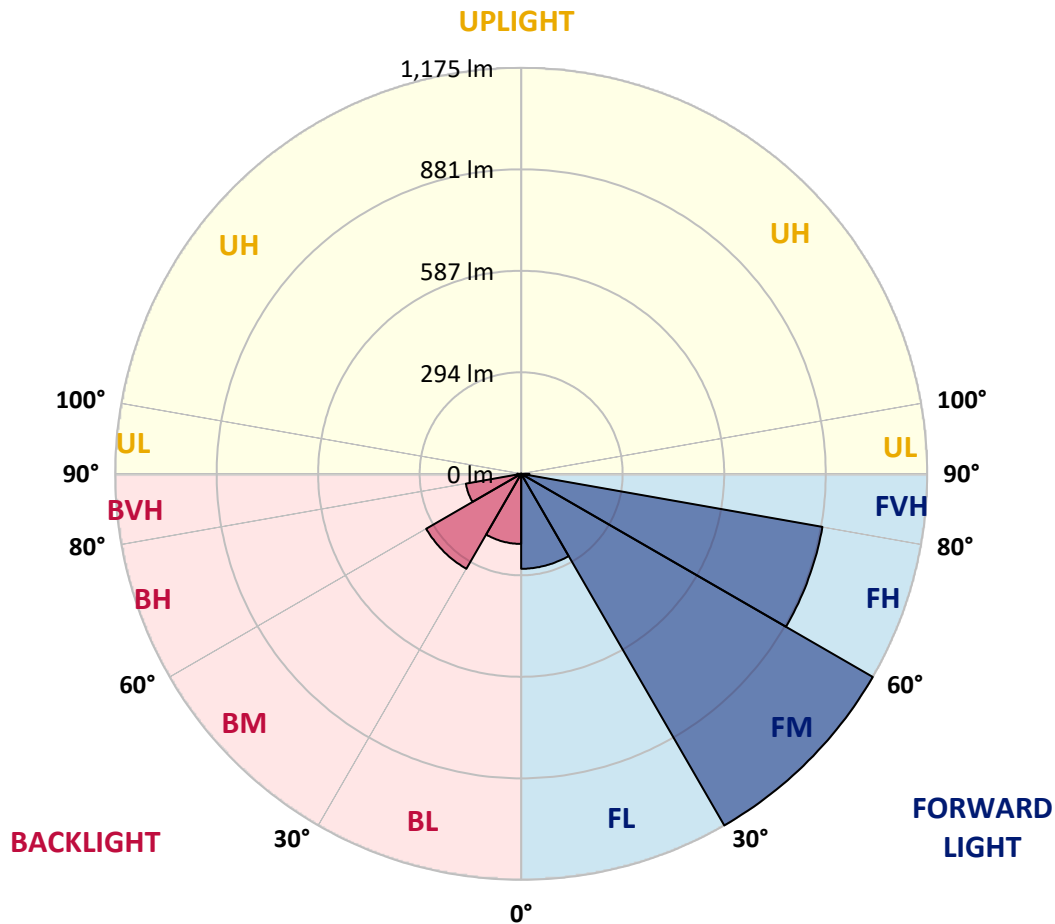
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.8	9.0			
FM	(30°-60°)	1175.0	38.5			
FH	(60°-80°)	885.2	29.0			G1/1800
FVH	(80°-90°)	23.7	0.8			G1/100
BL	(0°-30°)	202.8	6.6	B1/500		
BM	(30°-60°)	317.4	10.4	B1/1000		
BH	(60°-80°)	162.6	5.3	B1/500		G1/500
BVH	(80°-90°)	10.4	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°	564.5	564.5	564.5	564.5	564.5	564.5	564.5	564.5	564.5	564.5	564.5
2.5°	551.0	551.0	551.0	551.0	552.0	553.1	552.0	553.1	553.1	555.1	558.2
5°	560.3	560.3	558.2	554.1	551.0	546.8	544.8	545.8	545.8	551.0	559.3
7.5°	563.4	563.4	561.4	561.4	558.2	548.9	545.8	544.8	545.8	547.9	559.3
10°	579.0	578.0	572.8	566.6	562.4	554.1	546.8	545.8	546.8	549.9	562.4
12.5°	595.6	595.6	593.5	588.3	576.9	568.6	556.2	552.0	551.0	554.1	561.4
15°	628.8	624.7	616.4	609.1	600.8	587.3	570.7	563.4	561.4	565.5	562.4
17.5°	648.5	645.4	646.4	635.0	627.8	609.1	592.5	579.0	578.0	582.1	568.6
20°	670.3	669.3	671.4	670.3	658.9	642.3	616.4	599.8	597.7	598.7	578.0
22.5°	703.5	703.5	702.5	702.5	696.3	676.5	647.5	630.9	627.8	620.5	593.5
25°	739.8	739.8	739.8	741.9	741.9	719.1	690.0	671.4	669.3	658.9	619.5
27.5°	774.1	776.2	777.2	778.2	781.3	771.0	738.8	717.0	716.0	702.5	653.7
30°	801.1	802.1	811.4	813.5	819.7	816.6	785.5	764.7	766.8	749.2	692.1
32.5°	824.9	826.0	839.4	846.7	854.0	855.0	829.1	814.5	814.5	799.0	738.8
35°	847.7	848.8	865.4	883.0	897.6	893.4	878.9	870.6	873.7	868.5	803.1
37.5°	867.5	871.6	893.4	919.3	935.9	939.1	932.8	944.3	950.5	958.8	890.3
40°	886.1	888.2	909.0	935.9	964.0	978.5	985.8	1032.4	1038.7	1044.9	940.1
42.5°	868.5	872.7	917.3	957.7	993.0	1017.9	1052.2	1120.6	1134.1	1099.9	1007.5
45°	847.7	852.9	897.6	966.0	1015.8	1061.5	1124.8	1197.4	1207.8	1155.9	1043.9
47.5°	830.1	836.3	882.0	958.8	1039.7	1120.6	1183.9	1265.9	1272.1	1203.7	1093.7
50°	810.4	815.6	864.4	949.4	1052.2	1174.6	1246.2	1328.2	1330.3	1243.1	1119.6
52.5°	784.5	789.6	839.4	934.9	1061.5	1210.9	1298.1	1373.8	1365.5	1293.9	1149.7
55°	751.2	758.5	812.5	915.2	1066.7	1232.7	1333.4	1416.4	1412.2	1354.1	1189.1
57.5°	716.0	723.2	778.2	888.2	1061.5	1246.2	1369.7	1490.0	1489.0	1402.9	1218.2
60°	676.5	682.8	729.5	852.9	1033.5	1268.0	1449.6	1569.9	1578.2	1457.9	1229.6
62.5°	624.7	625.7	672.4	802.1	997.2	1283.6	1506.6	1645.7	1640.5	1494.2	1231.7
65°	556.2	559.3	600.8	731.5	938.0	1271.1	1521.2	1679.9	1679.9	1521.2	1229.6
67.5°	489.8	488.7	524.0	643.3	846.7	1216.1	1508.7	1694.5	1701.7	1538.8	1202.6
70°	399.5	397.4	424.4	535.4	716.0	1114.4	1476.6	1706.9	1705.9	1518.1	1145.6
72.5°	295.7	294.7	313.4	405.7	547.9	953.6	1381.1	1615.6	1605.2	1418.5	1034.5
75°	163.9	155.6	154.6	251.1	318.6	668.2	1173.6	1424.7	1428.8	1253.5	866.4
77.5°	23.9	24.9	25.9	45.7	55.0	250.1	762.7	1074.0	1071.9	967.1	631.9
80°	16.6	17.6	18.7	22.8	25.9	59.1	263.6	541.6	572.8	508.4	291.6
82.5°	12.5	12.5	13.5	15.6	14.5	27.0	82.0	150.5	155.6	141.1	86.1
85°	8.3	8.3	7.3	8.3	5.2	7.3	18.7	28.0	30.1	29.1	23.9
87.5°	4.2	4.2	3.1	3.1	2.1	2.1	2.1	1.0	2.1	1.0	2.1
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°	564.5	564.5	564.5	564.5	564.5	564.5	564.5	564.5	564.5	564.5	564.5
2.5°	561.4	563.4	569.7	574.9	581.1	588.3	592.5	596.6	600.8	598.7	601.8
5°	563.4	567.6	576.9	586.3	591.5	592.5	593.5	596.6	602.9	602.9	608.1
7.5°	565.5	572.8	572.8	578.0	585.2	587.3	588.3	590.4	593.5	594.6	593.5
10°	565.5	562.4	567.6	568.6	565.5	570.7	573.8	572.8	575.9	576.9	576.9
12.5°	559.3	558.2	554.1	554.1	553.1	544.8	544.8	553.1	553.1	558.2	559.3
15°	559.3	551.0	545.8	538.5	531.3	528.2	524.0	517.8	519.9	527.1	529.2
17.5°	558.2	548.9	533.3	518.8	513.6	501.2	497.0	497.0	496.0	500.1	501.2
20°	562.4	548.9	525.0	508.4	480.4	476.3	468.0	469.0	470.0	463.8	460.7
22.5°	573.8	557.2	518.8	486.7	464.9	446.2	430.6	420.2	419.2	416.1	419.2
25°	591.5	571.7	519.9	474.2	438.9	411.9	401.6	376.7	365.2	366.3	372.5
27.5°	623.6	589.4	525.0	460.7	418.2	379.8	346.6	331.0	318.6	318.6	320.6
30°	653.7	616.4	523.0	449.3	386.0	338.3	295.7	270.8	266.7	262.5	261.5
32.5°	709.7	650.6	543.7	432.7	355.9	285.4	242.8	208.6	211.7	212.7	214.8
35°	765.8	705.6	547.9	411.9	312.3	232.4	187.8	169.1	177.4	179.5	181.6
37.5°	840.5	774.1	575.9	393.3	267.7	178.5	149.4	141.1	149.4	149.4	150.5
40°	881.0	806.2	598.7	374.6	209.6	131.8	117.3	111.0	121.4	129.7	131.8
42.5°	938.0	847.7	619.5	337.2	148.4	98.6	90.3	102.7	119.3	127.6	128.7
45°	967.1	868.5	612.2	287.4	97.5	79.9	88.2	103.8	120.4	128.7	129.7
47.5°	1006.5	897.6	597.7	229.3	77.8	78.9	89.2	106.9	123.5	130.7	131.8
50°	1044.9	927.6	560.3	182.6	74.7	78.9	91.3	107.9	122.4	127.6	126.6
52.5°	1066.7	955.7	512.6	139.0	74.7	79.9	93.4	110.0	121.4	122.4	122.4
55°	1086.4	958.8	473.2	107.9	73.7	80.9	95.5	112.1	122.4	122.4	120.4
57.5°	1098.9	946.3	443.1	93.4	73.7	80.9	95.5	112.1	127.6	130.7	127.6
60°	1093.7	922.5	422.3	87.2	71.6	79.9	94.4	115.2	156.7	163.9	157.7
62.5°	1081.2	909.0	377.7	79.9	68.5	76.8	92.3	124.5	168.1	169.1	163.9
65°	1069.8	864.4	323.7	71.6	64.3	73.7	89.2	126.6	142.2	137.0	135.9
67.5°	1017.9	806.2	247.0	63.3	58.1	69.5	86.1	116.2	126.6	120.4	118.3
70°	944.3	704.6	165.0	54.0	51.9	64.3	86.1	109.0	113.1	102.7	98.6
72.5°	809.4	583.2	90.3	43.6	43.6	59.1	77.8	101.7	104.8	92.3	85.1
75°	658.9	422.3	58.1	33.2	33.2	49.8	70.6	96.5	102.7	89.2	79.9
77.5°	453.4	231.4	40.5	23.9	21.8	38.4	56.0	78.9	91.3	76.8	65.4
80°	153.6	61.2	25.9	15.6	13.5	21.8	37.4	61.2	83.0	78.9	70.6
82.5°	60.2	38.4	17.6	10.4	9.3	10.4	18.7	38.4	66.4	71.6	83.0
85°	17.6	10.4	6.2	5.2	5.2	5.2	5.2	15.6	39.4	51.9	65.4
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	9.3	16.6	21.8
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)