

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: P691125

Luminaire Tested: **CRTK2-C013-D-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T2-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2685 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

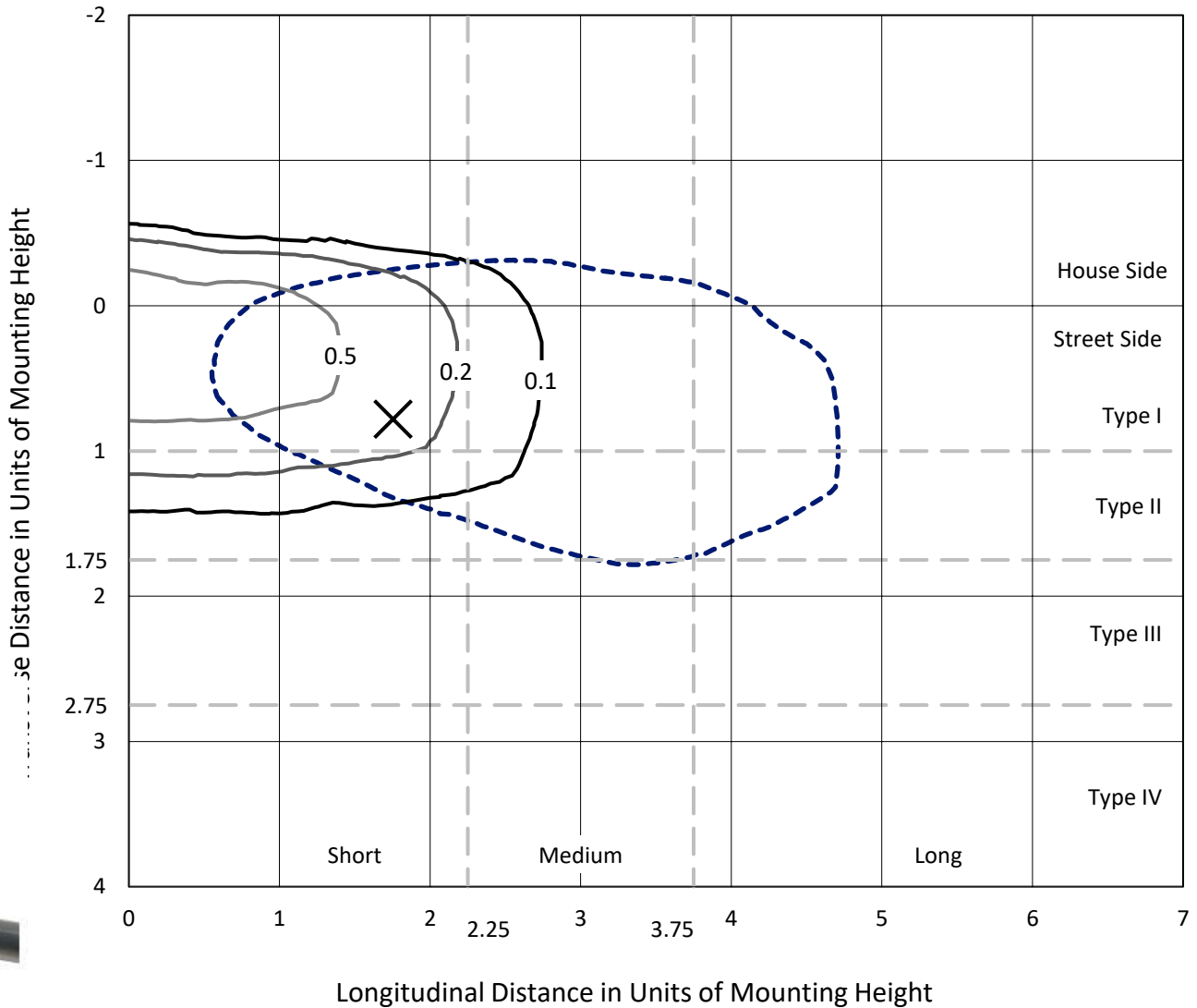
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

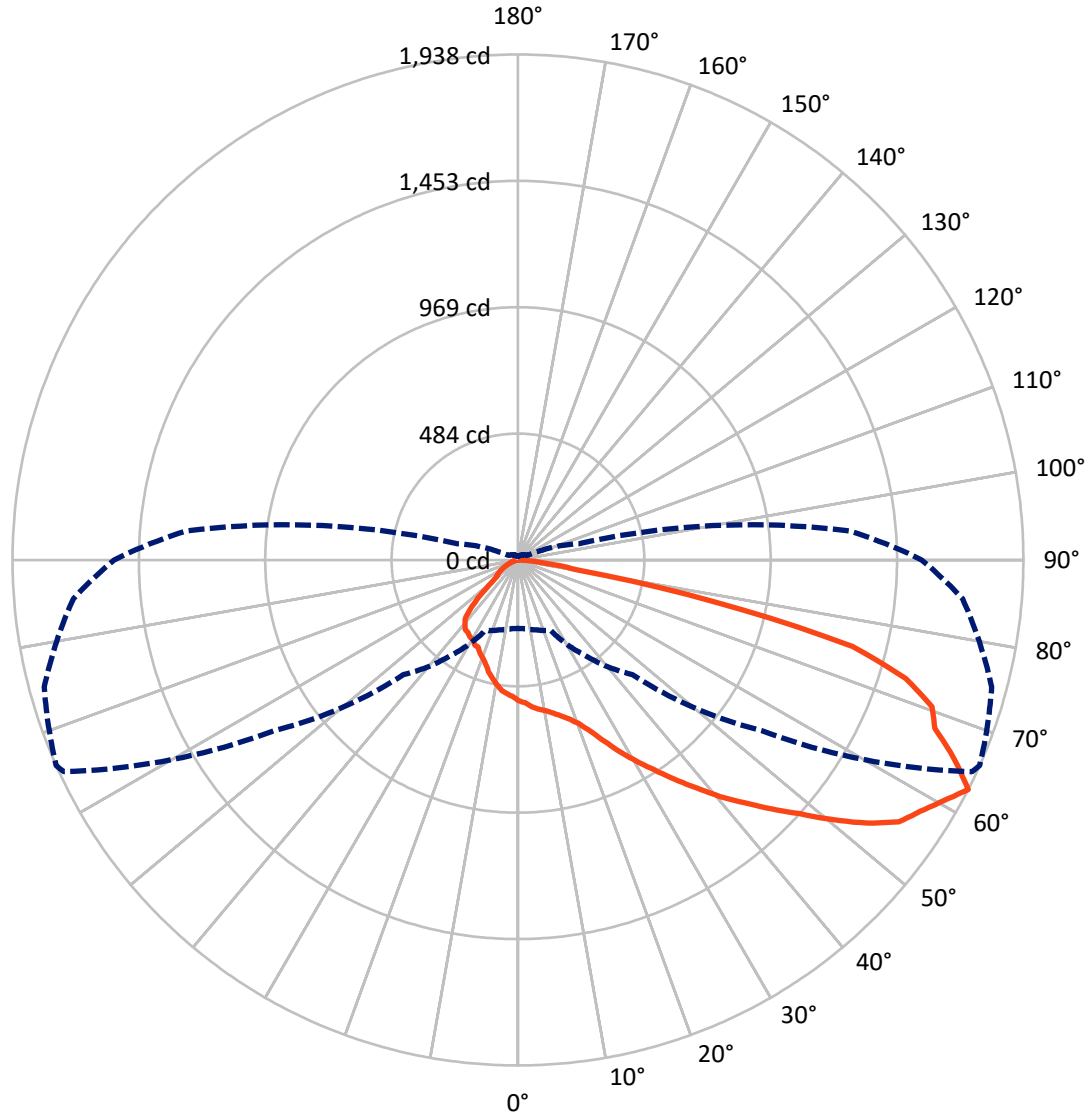
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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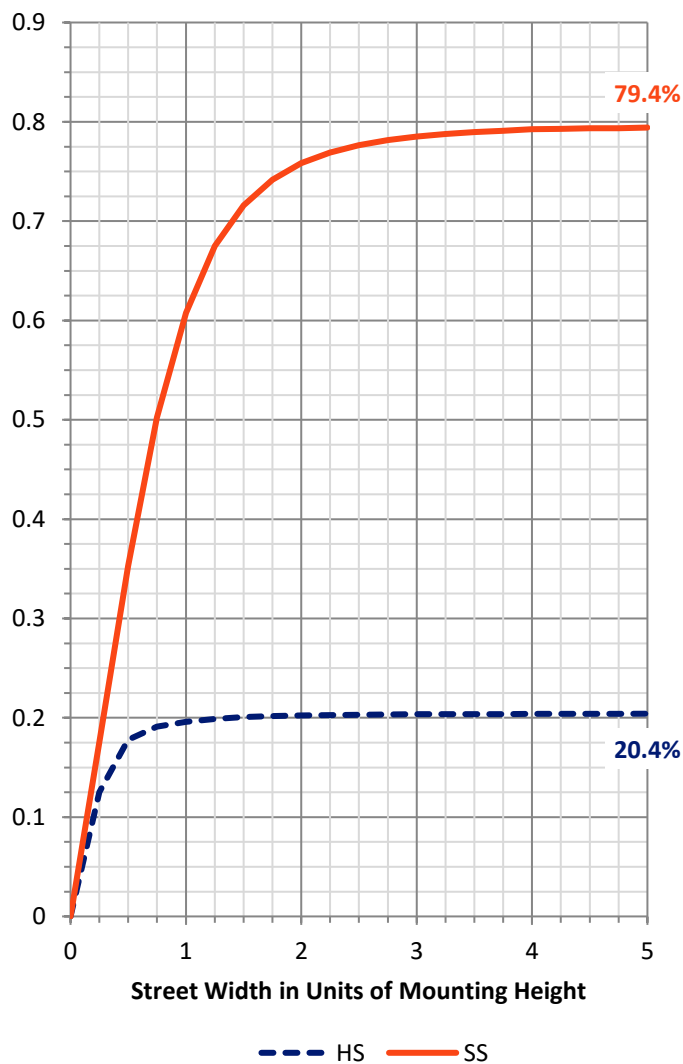
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	554.6	0.0	554.6
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	2130.3	0.0	2130.3
	% Fixture	79.3	0.0	79.3
Total	Lumens	2685.0	0.0	2685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.9
10°-20°	145.3	5.4
20°-30°	238.4	8.9
30°-40°	350.9	13.1
40°-50°	462.7	17.2
50°-60°	538.6	20.1
60°-70°	535.2	19.9
70°-80°	331.1	12.3
80°-90°	31.7	1.2
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°	2685.0	100.0
0°-180°	2685.0	100.0

Coefficient of Utilization



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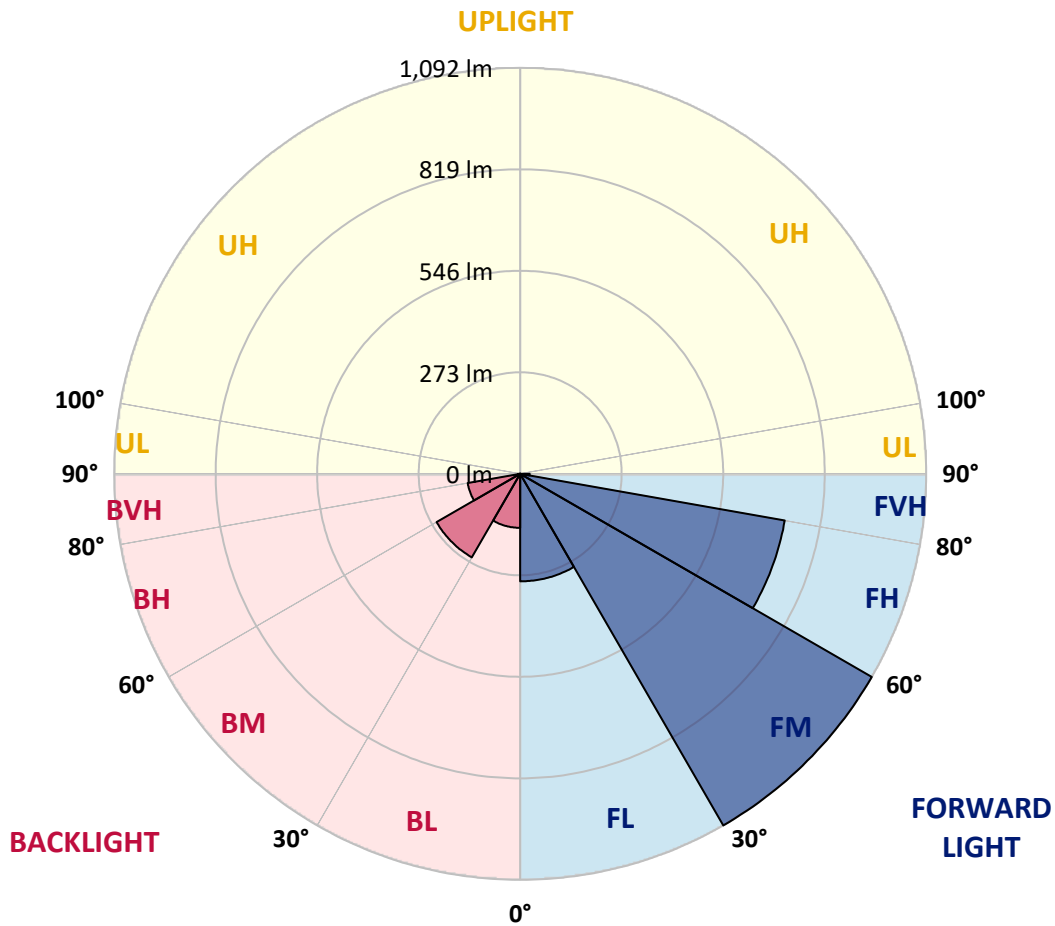
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.3	10.8			
FM (30°-60°)	1092.5	40.7			
FH (60°-80°)	723.0	26.9			G1/1800
FVH (80°-90°)	25.6	1.0			G1/100
BL (0°-30°)	145.5	5.4	B1/500		
BM (30°-60°)	259.7	9.7	B1/1000		
BH (60°-80°)	143.4	5.3	B1/500		G1/500
BVH (80°-90°)	6.1	0.2			G0/10
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°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3
2.5°	570.7	570.7	569.7	562.6	559.5	555.5	552.5	549.4	548.4	545.4	540.3
5°	604.1	603.0	603.0	597.0	590.9	582.8	574.7	566.6	565.6	557.5	546.4
7.5°	623.3	623.3	621.3	617.2	613.2	608.1	596.0	578.8	577.8	566.6	551.4
10°	628.3	629.4	633.4	623.3	620.2	615.2	609.1	590.9	587.9	571.7	547.4
12.5°	646.6	646.6	645.5	636.4	633.4	629.4	619.2	605.1	602.0	581.8	548.4
15°	668.8	669.8	666.8	658.7	654.7	649.6	636.4	621.3	620.2	593.9	556.5
17.5°	679.9	679.9	682.0	670.8	671.9	669.8	663.8	642.5	641.5	617.2	570.7
20°	684.0	685.0	686.0	686.0	687.0	685.0	691.1	672.9	669.8	642.5	589.9
22.5°	702.2	704.2	709.3	706.3	711.3	714.3	716.4	717.4	713.3	685.0	622.3
25°	710.3	715.4	722.4	733.6	741.7	747.7	762.9	770.0	769.0	744.7	675.9
27.5°	698.2	704.2	728.5	747.7	776.1	792.3	820.6	829.7	832.7	810.5	733.6
30°	714.3	716.4	727.5	751.8	787.2	835.8	874.2	894.5	894.5	877.3	790.2
32.5°	689.1	695.1	727.5	772.0	826.7	879.3	915.7	959.2	959.2	951.1	871.2
35°	686.0	689.1	708.3	757.9	827.7	923.8	972.4	1024.0	1031.1	1032.1	951.1
37.5°	657.7	663.8	698.2	761.9	858.0	951.1	1018.9	1098.8	1106.9	1118.1	1017.9
40°	626.3	628.3	658.7	725.5	850.9	986.5	1063.4	1182.8	1191.9	1207.1	1106.9
42.5°	579.8	587.9	638.5	711.3	847.9	997.7	1113.0	1261.7	1271.9	1293.1	1180.8
45°	538.3	541.3	578.8	659.7	814.5	1013.9	1151.5	1354.8	1360.9	1374.1	1242.5
47.5°	504.9	506.9	544.4	614.2	783.2	1009.8	1188.9	1438.8	1453.0	1473.2	1315.4
50°	404.7	415.9	508.9	576.7	728.5	1002.7	1218.2	1544.0	1565.3	1573.4	1399.4
52.5°	345.0	347.1	395.6	539.3	671.9	972.4	1246.6	1651.3	1675.6	1653.3	1500.5
55°	319.7	321.8	344.0	464.4	624.3	913.7	1267.8	1754.5	1771.7	1717.1	1576.4
57.5°	303.5	307.6	317.7	377.4	567.6	815.5	1271.9	1811.2	1818.3	1767.7	1614.9
60°	281.3	281.3	301.5	329.9	505.9	710.3	1238.5	1839.5	1873.9	1825.3	1685.7
62.5°	262.1	264.1	277.2	298.5	445.2	621.3	1140.3	1920.4	1937.6	1880.0	1711.0
65°	239.8	241.8	254.0	275.2	404.7	571.7	1087.7	1888.1	1837.5	1865.8	1742.4
67.5°	214.5	215.5	227.7	246.9	340.0	527.2	961.2	1764.6	1723.1	1799.0	1655.3
70°	189.2	189.2	199.3	214.5	277.2	462.4	794.3	1652.3	1683.7	1687.7	1569.3
72.5°	157.8	158.9	169.0	182.1	222.6	386.5	628.3	1540.0	1554.2	1500.5	1380.1
75°	113.3	117.4	128.5	141.7	176.1	306.6	446.2	1251.6	1325.5	1420.6	1185.9
77.5°	17.2	17.2	21.2	32.4	57.7	153.8	206.4	691.1	767.0	1188.9	1036.1
80°	14.2	14.2	15.2	21.2	33.4	86.0	66.8	216.5	232.7	546.4	583.8
82.5°	7.1	7.1	11.1	15.2	20.2	25.3	28.3	104.2	120.4	186.2	232.7
85°	4.0	4.0	5.1	7.1	8.1	8.1	9.1	49.6	51.6	101.2	105.2
87.5°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3
2.5°	538.3	535.3	529.2	524.1	521.1	515.0	510.0	505.9	503.9	508.9	510.0
5°	539.3	532.2	521.1	514.0	505.9	495.8	483.7	476.6	473.5	474.5	477.6
7.5°	541.3	531.2	518.1	502.9	481.6	461.4	447.2	439.1	435.1	440.1	440.1
10°	535.3	524.1	505.9	482.6	455.3	435.1	418.9	404.7	399.7	401.7	402.7
12.5°	535.3	520.1	489.7	461.4	436.1	402.7	378.4	365.3	360.2	361.2	363.2
15°	538.3	518.1	475.6	441.2	403.7	368.3	347.1	330.9	325.8	320.7	322.8
17.5°	548.4	515.0	468.5	413.8	372.4	339.0	309.6	291.4	287.4	287.4	288.4
20°	558.5	519.1	456.3	393.6	344.0	302.5	272.2	259.0	249.9	245.9	249.9
22.5°	579.8	533.2	448.2	380.4	314.7	275.2	246.9	217.5	201.4	194.3	196.3
25°	618.2	558.5	454.3	357.2	298.5	249.9	210.5	175.0	152.8	145.7	147.7
27.5°	677.9	600.0	461.4	355.2	269.1	224.6	171.0	132.5	115.3	108.3	110.3
30°	736.6	656.7	484.7	334.9	258.0	184.2	129.5	102.2	85.0	77.9	79.9
32.5°	787.2	711.3	514.0	329.9	228.7	138.6	97.1	75.9	62.7	56.7	57.7
35°	862.1	757.9	539.3	314.7	194.3	104.2	70.8	54.6	47.6	45.5	45.5
37.5°	928.9	812.5	563.6	309.6	145.7	77.9	50.6	44.5	43.5	40.5	40.5
40°	998.7	870.2	574.7	291.4	106.2	54.6	41.5	41.5	40.5	37.4	37.4
42.5°	1080.6	928.9	584.8	270.2	75.9	41.5	38.4	39.5	38.4	35.4	34.4
45°	1139.3	965.3	587.9	216.5	52.6	39.5	36.4	37.4	36.4	34.4	33.4
47.5°	1192.9	1017.9	574.7	151.8	42.5	37.4	35.4	35.4	35.4	32.4	31.4
50°	1248.6	1061.4	563.6	82.0	41.5	36.4	33.4	32.4	33.4	31.4	30.4
52.5°	1322.5	1094.8	534.2	55.7	40.5	35.4	32.4	30.4	31.4	29.3	30.4
55°	1420.6	1182.8	480.6	52.6	40.5	34.4	31.4	28.3	28.3	27.3	27.3
57.5°	1465.1	1216.2	394.6	50.6	39.5	34.4	29.3	26.3	24.3	23.3	22.3
60°	1519.8	1264.8	304.6	46.5	36.4	32.4	26.3	23.3	20.2	19.2	19.2
62.5°	1548.1	1275.9	240.8	41.5	33.4	28.3	23.3	19.2	16.2	14.2	14.2
65°	1564.3	1269.8	168.0	37.4	29.3	25.3	20.2	16.2	12.1	11.1	10.1
67.5°	1509.6	1233.4	98.1	32.4	25.3	22.3	17.2	13.2	10.1	9.1	8.1
70°	1400.4	1122.1	61.7	28.3	22.3	19.2	15.2	11.1	8.1	7.1	7.1
72.5°	1283.0	904.6	42.5	22.3	17.2	15.2	11.1	9.1	7.1	5.1	5.1
75°	1154.5	785.2	31.4	16.2	12.1	11.1	9.1	7.1	6.1	4.0	4.0
77.5°	818.6	520.1	25.3	12.1	8.1	7.1	6.1	5.1	4.0	4.0	3.0
80°	483.7	254.0	19.2	8.1	6.1	5.1	4.0	4.0	3.0	3.0	3.0
82.5°	181.1	97.1	13.2	6.1	4.0	4.0	3.0	3.0	2.0	2.0	2.0
85°	65.8	24.3	6.1	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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)