

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: P691677

Luminaire Tested: **CRTK2-C018-D-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691677
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-C018-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: 6132 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

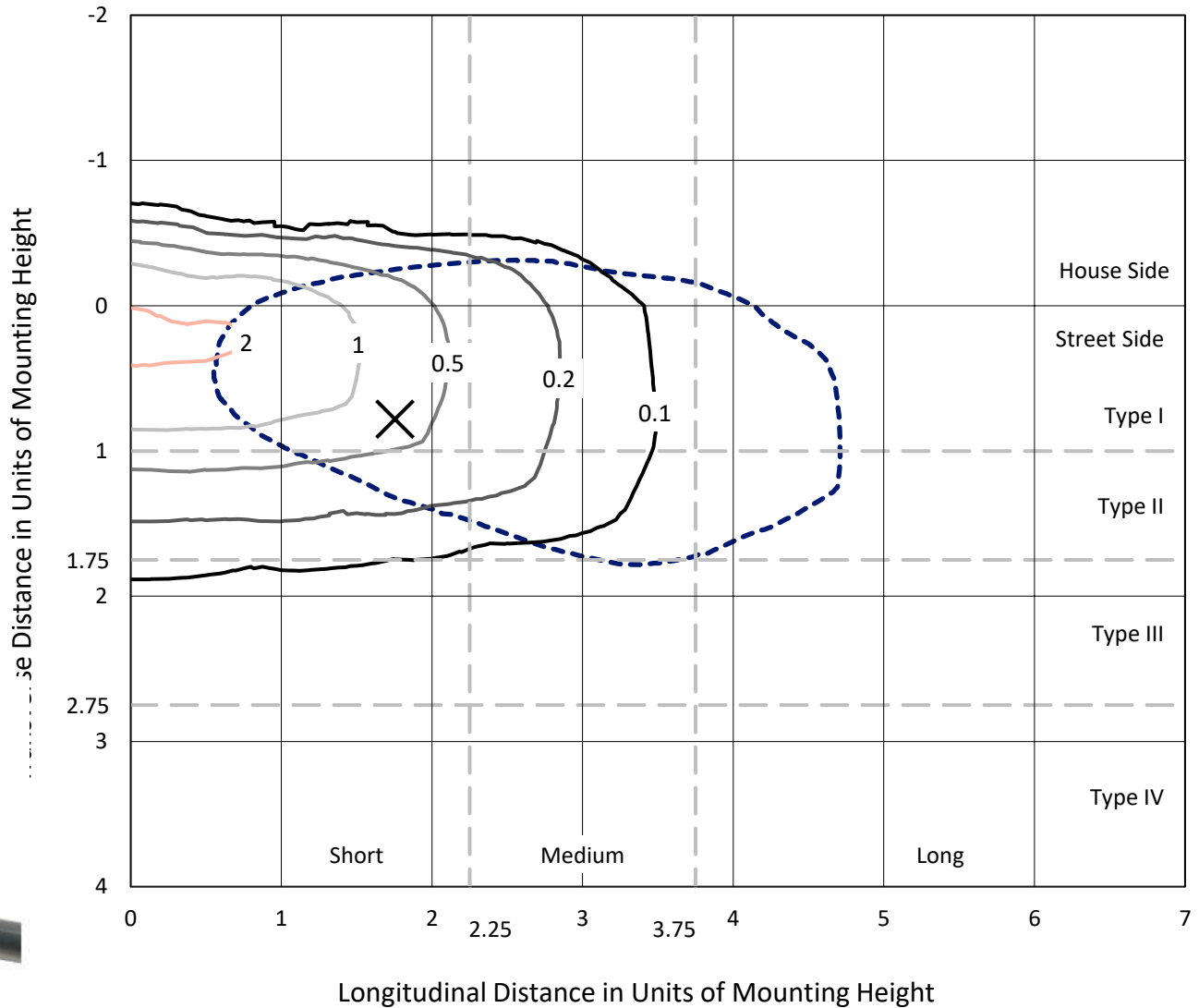
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

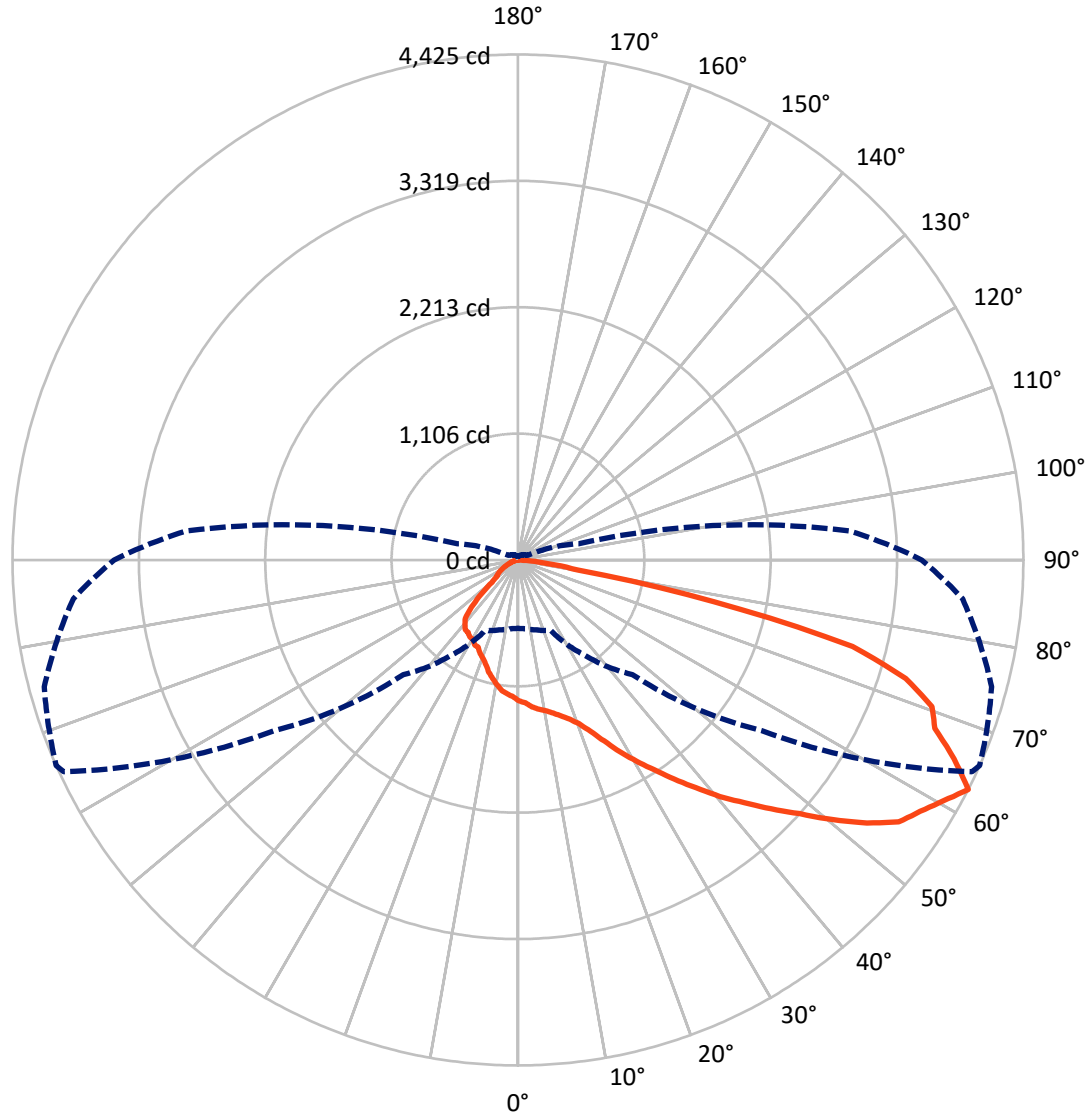
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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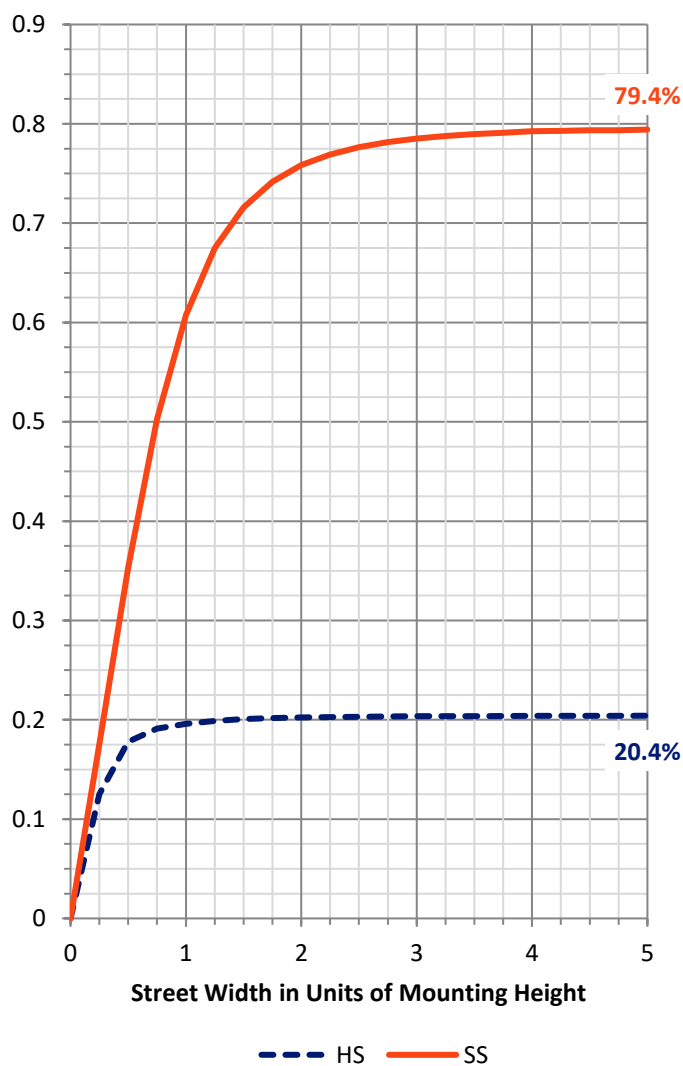
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.7	0.0	1266.7
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	4865.3	0.0	4865.3
	% Fixture	79.3	0.0	79.3
Total	Lumens	6132.0	0.0	6132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	1.9
10°-20°	331.9	5.4
20°-30°	544.5	8.9
30°-40°	801.3	13.1
40°-50°	1056.8	17.2
50°-60°	1230.2	20.1
60°-70°	1222.4	19.9
70°-80°	756.2	12.3
80°-90°	72.3	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°	6132.0	100.0
0°-180°	6132.0	100.0

Coefficient of Utilization



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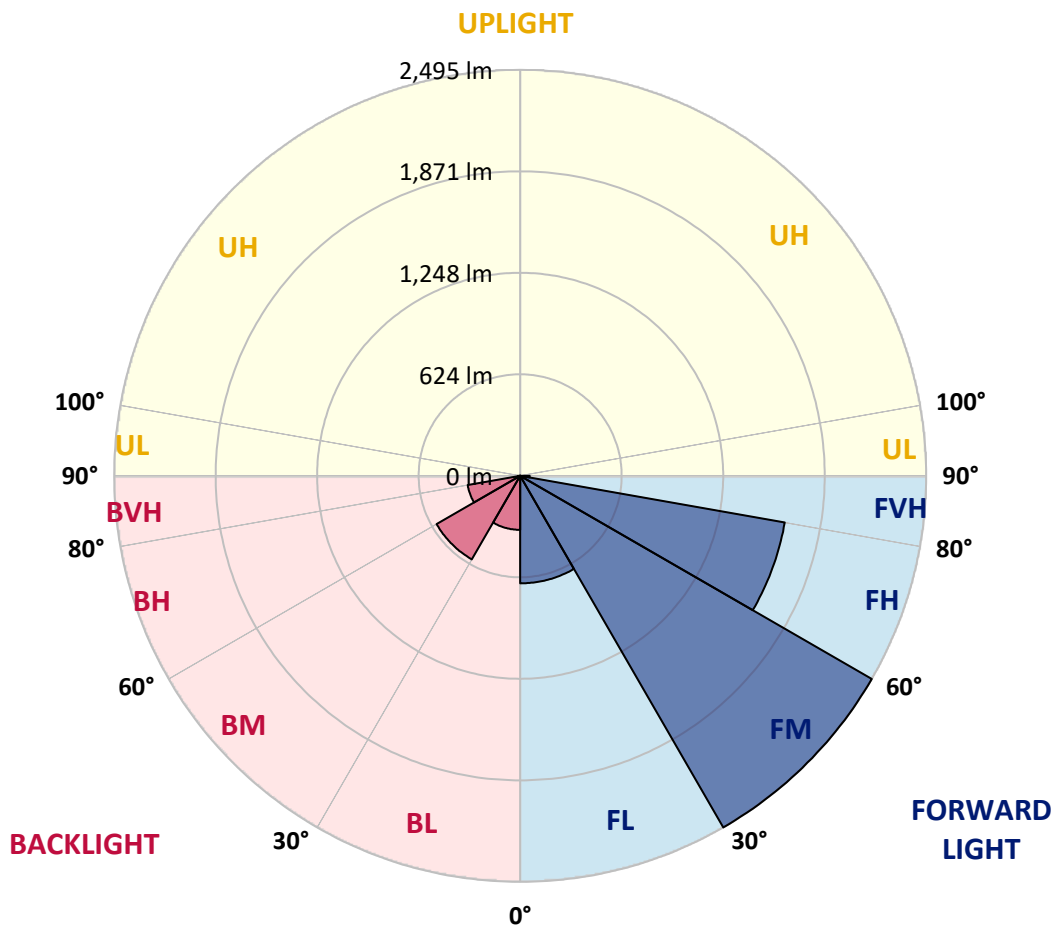
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	660.7	10.8			
FM (30°-60°)	2495.0	40.7			
FH (60°-80°)	1651.1	26.9			G1/1800
FVH (80°-90°)	58.4	1.0			G1/100
BL (0°-30°)	332.2	5.4	B1/500		
BM (30°-60°)	593.1	9.7	B1/1000		
BH (60°-80°)	327.5	5.3	B1/500		G1/500
BVH (80°-90°)	13.9	0.2			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0
2.5°	1303.3	1303.3	1301.0	1284.8	1277.9	1268.6	1261.7	1254.8	1252.5	1245.5	1234.0
5°	1379.6	1377.2	1377.2	1363.4	1349.5	1331.0	1312.5	1294.1	1291.7	1273.3	1247.8
7.5°	1423.5	1423.5	1418.8	1409.6	1400.4	1388.8	1361.1	1321.8	1319.5	1294.1	1259.4
10°	1435.0	1437.3	1446.6	1423.5	1416.5	1405.0	1391.1	1349.5	1342.6	1305.6	1250.1
12.5°	1476.6	1476.6	1474.3	1453.5	1446.6	1437.3	1414.2	1381.9	1374.9	1328.7	1252.5
15°	1527.4	1529.8	1522.8	1504.3	1495.1	1483.5	1453.5	1418.8	1416.5	1356.4	1270.9
17.5°	1552.9	1552.9	1557.5	1532.1	1534.4	1529.8	1515.9	1467.4	1465.1	1409.6	1303.3
20°	1562.1	1564.4	1566.7	1566.7	1569.0	1564.4	1578.3	1536.7	1529.8	1467.4	1347.2
22.5°	1603.7	1608.3	1619.9	1612.9	1624.5	1631.4	1636.1	1638.4	1629.1	1564.4	1421.1
25°	1622.2	1633.7	1649.9	1675.3	1693.8	1707.7	1742.4	1758.5	1756.2	1700.8	1543.6
27.5°	1594.5	1608.3	1663.8	1707.7	1772.4	1809.4	1874.1	1894.9	1901.8	1851.0	1675.3
30°	1631.4	1636.1	1661.5	1716.9	1797.8	1908.7	1996.5	2042.8	2042.8	2003.5	1804.7
32.5°	1573.7	1587.5	1661.5	1763.1	1887.9	2008.1	2091.3	2190.6	2190.6	2172.2	1989.6
35°	1566.7	1573.7	1617.6	1730.8	1890.2	2109.8	2220.7	2338.5	2354.7	2357.0	2172.2
37.5°	1502.0	1515.9	1594.5	1740.0	1959.6	2172.2	2327.0	2509.5	2528.0	2553.4	2324.7
40°	1430.4	1435.0	1504.3	1656.9	1943.4	2253.0	2428.7	2701.3	2722.1	2756.8	2528.0
42.5°	1324.1	1342.6	1458.1	1624.5	1936.5	2278.5	2541.9	2881.6	2904.7	2953.2	2696.7
45°	1229.4	1236.3	1321.8	1506.6	1860.2	2315.4	2629.7	3094.2	3108.0	3138.1	2837.7
47.5°	1153.1	1157.7	1243.2	1402.7	1788.6	2306.2	2715.2	3286.0	3318.3	3364.5	3004.1
50°	924.3	949.7	1162.3	1317.2	1663.8	2290.0	2782.2	3526.3	3574.8	3593.3	3195.8
52.5°	788.0	792.6	903.5	1231.7	1534.4	2220.7	2846.9	3771.2	3826.7	3775.9	3426.9
55°	730.2	734.8	785.7	1060.7	1425.8	2086.7	2895.4	4006.9	4046.2	3921.4	3600.2
57.5°	693.2	702.5	725.6	861.9	1296.4	1862.5	2904.7	4136.3	4152.5	4037.0	3688.1
60°	642.4	642.4	688.6	753.3	1155.4	1622.2	2828.4	4201.1	4279.6	4168.7	3849.8
62.5°	598.5	603.1	633.2	681.7	1016.8	1418.8	2604.3	4385.9	4425.2	4293.5	3907.6
65°	547.7	552.3	580.0	628.5	924.3	1305.6	2484.1	4312.0	4196.4	4261.1	3979.2
67.5°	489.9	492.2	519.9	563.8	776.4	1203.9	2195.3	4030.1	3935.3	4108.6	3780.5
70°	432.1	432.1	455.2	489.9	633.2	1056.0	1814.0	3773.6	3845.2	3854.4	3584.1
72.5°	360.5	362.8	385.9	415.9	508.4	882.7	1435.0	3517.1	3549.4	3426.9	3151.9
75°	258.8	268.1	293.5	323.5	402.1	700.2	1019.1	2858.5	3027.2	3244.4	2708.3
77.5°	39.3	39.3	48.5	73.9	131.7	351.2	471.4	1578.3	1751.6	2715.2	2366.3
80°	32.4	32.4	34.7	48.5	76.3	196.4	152.5	494.5	531.5	1247.8	1333.3
82.5°	16.2	16.2	25.4	34.7	46.2	57.8	64.7	238.0	275.0	425.2	531.5
85°	9.2	9.2	11.6	16.2	18.5	18.5	20.8	113.2	117.9	231.1	240.3
87.5°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3
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°	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0
2.5°	1229.4	1222.4	1208.6	1197.0	1190.1	1176.2	1164.6	1155.4	1150.8	1162.3	1164.6
5°	1231.7	1215.5	1190.1	1173.9	1155.4	1132.3	1104.6	1088.4	1081.5	1083.8	1090.7
7.5°	1236.3	1213.2	1183.1	1148.5	1099.9	1053.7	1021.4	1002.9	993.6	1005.2	1005.2
10°	1222.4	1197.0	1155.4	1102.3	1039.9	993.6	956.7	924.3	912.8	917.4	919.7
12.5°	1222.4	1187.8	1118.4	1053.7	996.0	919.7	864.2	834.2	822.6	825.0	829.6
15°	1229.4	1183.1	1086.1	1007.5	922.0	841.1	792.6	755.6	744.1	732.5	737.1
17.5°	1252.5	1176.2	1069.9	945.1	850.4	774.1	707.1	665.5	656.3	656.3	658.6
20°	1275.6	1185.4	1042.2	898.9	785.7	690.9	621.6	591.6	570.8	561.5	570.8
22.5°	1324.1	1217.8	1023.7	868.9	718.7	628.5	563.8	496.8	459.9	443.7	448.3
25°	1411.9	1275.6	1037.6	815.7	681.7	570.8	480.6	399.8	348.9	332.8	337.4
27.5°	1548.2	1370.3	1053.7	811.1	614.7	513.0	390.5	302.7	263.4	247.3	251.9
30°	1682.3	1499.7	1106.9	764.9	589.3	420.6	295.8	233.4	194.1	177.9	182.6
32.5°	1797.8	1624.5	1173.9	753.3	522.2	316.6	221.8	173.3	143.3	129.4	131.7
35°	1968.8	1730.8	1231.7	718.7	443.7	238.0	161.8	124.8	108.6	104.0	104.0
37.5°	2121.3	1855.6	1287.1	707.1	332.8	177.9	115.5	101.7	99.4	92.4	92.4
40°	2280.8	1987.3	1312.5	665.5	242.6	124.8	94.7	94.7	92.4	85.5	85.5
42.5°	2467.9	2121.3	1335.6	617.0	173.3	94.7	87.8	90.1	87.8	80.9	78.6
45°	2602.0	2204.5	1342.6	494.5	120.2	90.1	83.2	85.5	83.2	78.6	76.3
47.5°	2724.4	2324.7	1312.5	346.6	97.1	85.5	80.9	80.9	80.9	73.9	71.6
50°	2851.5	2424.0	1287.1	187.2	94.7	83.2	76.3	73.9	76.3	71.6	69.3
52.5°	3020.2	2500.3	1220.1	127.1	92.4	80.9	73.9	69.3	71.6	67.0	69.3
55°	3244.4	2701.3	1097.6	120.2	92.4	78.6	71.6	64.7	64.7	62.4	62.4
57.5°	3346.1	2777.6	901.2	115.5	90.1	78.6	67.0	60.1	55.5	53.1	50.8
60°	3470.8	2888.5	695.6	106.3	83.2	73.9	60.1	53.1	46.2	43.9	43.9
62.5°	3535.5	2913.9	550.0	94.7	76.3	64.7	53.1	43.9	37.0	32.4	32.4
65°	3572.5	2900.1	383.6	85.5	67.0	57.8	46.2	37.0	27.7	25.4	23.1
67.5°	3447.7	2816.9	224.1	73.9	57.8	50.8	39.3	30.0	23.1	20.8	18.5
70°	3198.2	2562.7	141.0	64.7	50.8	43.9	34.7	25.4	18.5	16.2	16.2
72.5°	2930.1	2065.9	97.1	50.8	39.3	34.7	25.4	20.8	16.2	11.6	11.6
75°	2636.6	1793.2	71.6	37.0	27.7	25.4	20.8	16.2	13.9	9.2	9.2
77.5°	1869.4	1187.8	57.8	27.7	18.5	16.2	13.9	11.6	9.2	9.2	6.9
80°	1104.6	580.0	43.9	18.5	13.9	11.6	9.2	9.2	6.9	6.9	6.9
82.5°	413.6	221.8	30.0	13.9	9.2	9.2	6.9	6.9	4.6	4.6	4.6
85°	150.2	55.5	13.9	6.9	6.9	4.6	4.6	4.6	4.6	4.6	4.6
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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)