

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: P691301

Luminaire Tested: **CRTK2-C015-D-U-T2-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691301
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-C015-D-U-T2-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 3890 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 29.9
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



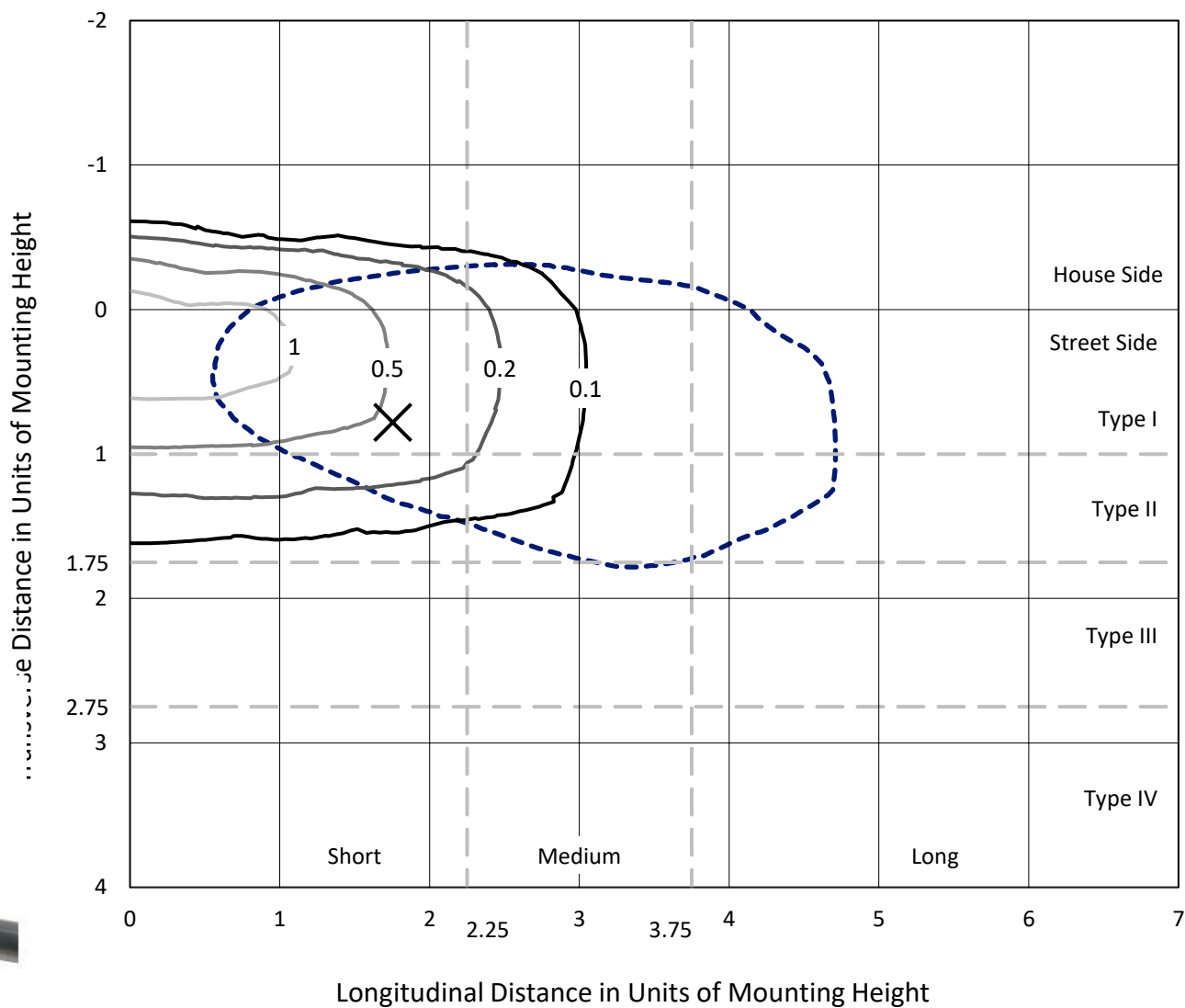
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

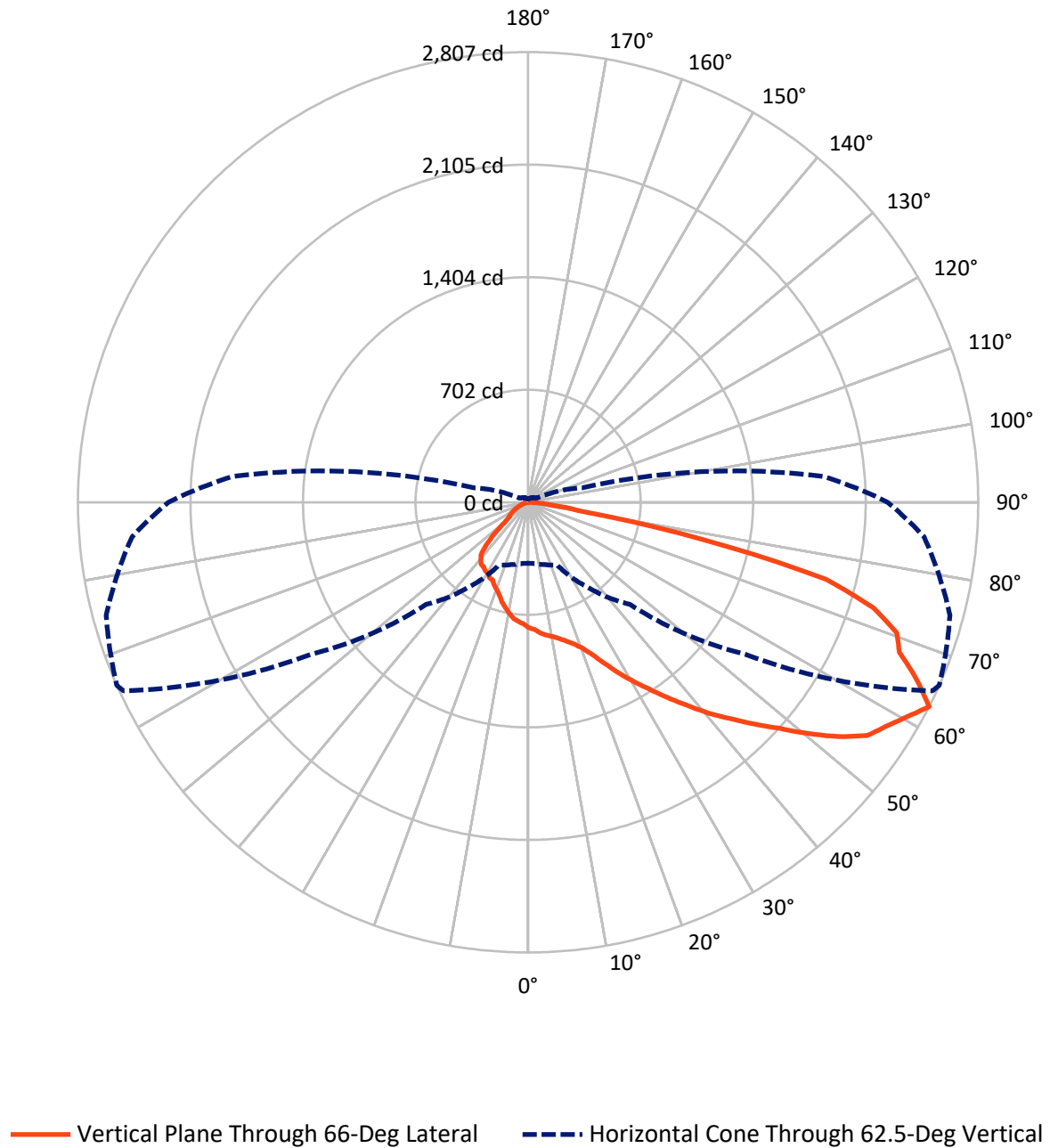


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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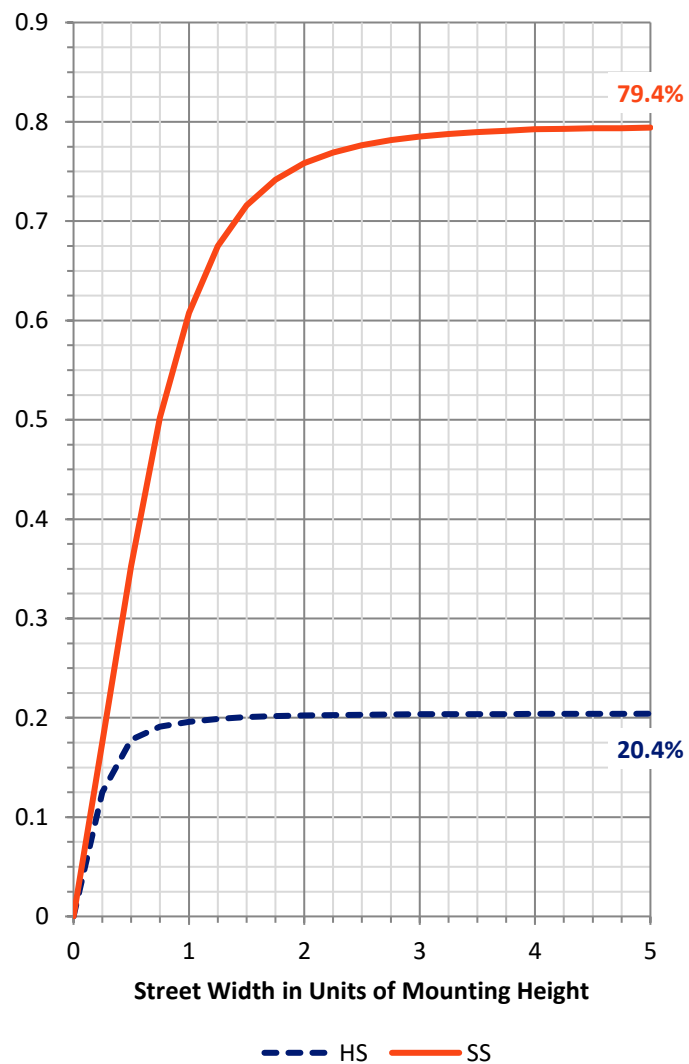
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	803.6	0.0	803.6
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	3086.4	0.0	3086.4
	% Fixture	79.3	0.0	79.3
Total	Lumens	3890.0	0.0	3890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	1.9
10°-20°	210.5	5.4
20°-30°	345.4	8.9
30°-40°	508.3	13.1
40°-50°	670.4	17.2
50°-60°	780.4	20.1
60°-70°	775.5	19.9
70°-80°	479.7	12.3
80°-90°	45.9	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°	3890.0	100.0
0°-180°	3890.0	100.0

Coefficient of Utilization



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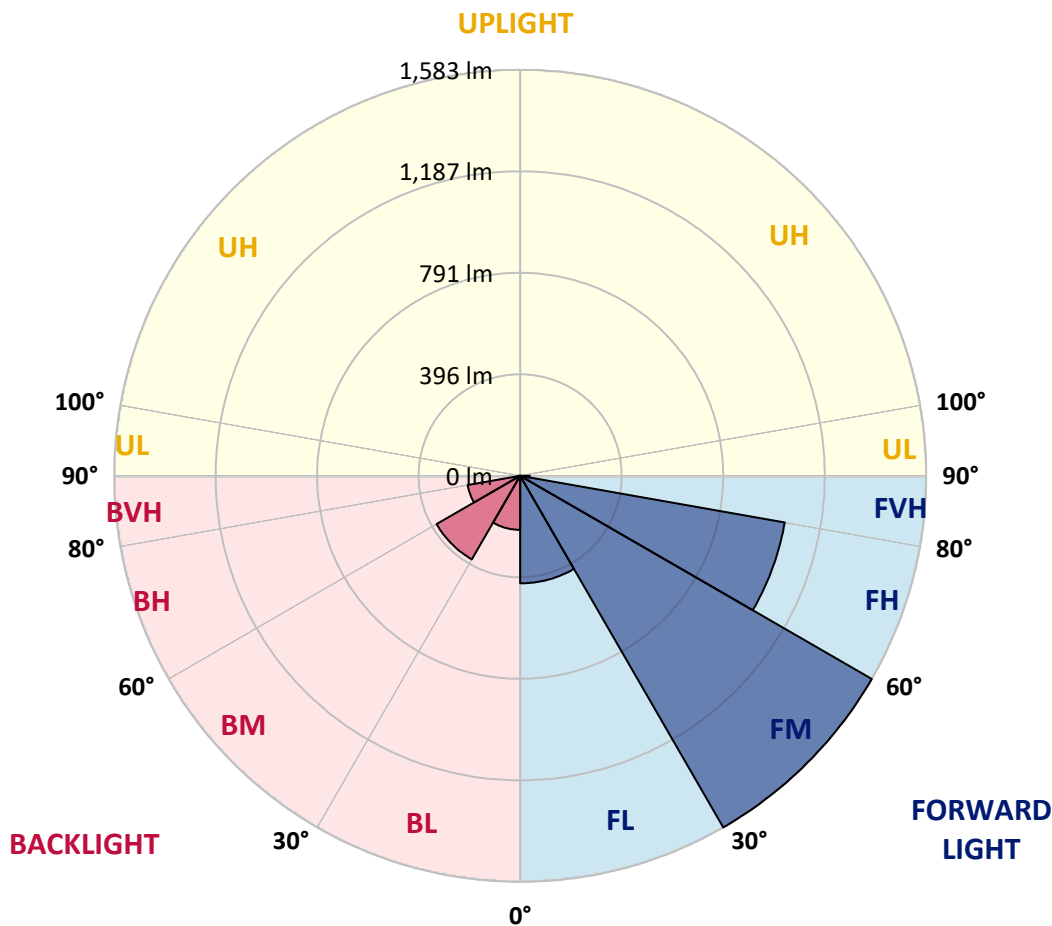
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	419.2	10.8			
FM	(30°-60°)	1582.8	40.7			
FH	(60°-80°)	1047.4	26.9			G1/1800
FVH	(80°-90°)	37.0	1.0			G1/100
BL	(0°-30°)	210.7	5.4	B1/500		
BM	(30°-60°)	376.3	9.7	B1/1000		
BH	(60°-80°)	207.7	5.3	B1/500		G1/500
BVH	(80°-90°)	8.8	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°	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8
2.5°	826.8	826.8	825.3	815.1	810.7	804.8	800.4	796.0	794.5	790.1	782.8
5°	875.2	873.7	873.7	864.9	856.1	844.4	832.6	820.9	819.5	807.7	791.6
7.5°	903.0	903.0	900.1	894.2	888.4	881.0	863.4	838.5	837.0	820.9	798.9
10°	910.3	911.8	917.7	903.0	898.6	891.3	882.5	856.1	851.7	828.2	793.1
12.5°	936.7	936.7	935.3	922.1	917.7	911.8	897.1	876.6	872.2	842.9	794.5
15°	969.0	970.4	966.0	954.3	948.5	941.1	922.1	900.1	898.6	860.5	806.3
17.5°	985.1	985.1	988.0	971.9	973.4	970.4	961.6	930.9	929.4	894.2	826.8
20°	991.0	992.4	993.9	993.9	995.4	992.4	1001.2	974.8	970.4	930.9	854.6
22.5°	1017.4	1020.3	1027.6	1023.2	1030.5	1034.9	1037.9	1039.3	1033.5	992.4	901.5
25°	1029.1	1036.4	1046.7	1062.8	1074.5	1083.3	1105.3	1115.6	1114.1	1078.9	979.2
27.5°	1011.5	1020.3	1055.5	1083.3	1124.4	1147.8	1188.9	1202.1	1206.5	1174.2	1062.8
30°	1034.9	1037.9	1054.0	1089.2	1140.5	1210.9	1266.6	1295.9	1295.9	1271.0	1144.9
32.5°	998.3	1007.1	1054.0	1118.5	1197.7	1273.9	1326.7	1389.7	1389.7	1378.0	1262.2
35°	993.9	998.3	1026.1	1098.0	1199.1	1338.4	1408.8	1483.5	1493.8	1495.2	1378.0
37.5°	952.9	961.6	1011.5	1103.8	1243.1	1378.0	1476.2	1592.0	1603.7	1619.8	1474.7
40°	907.4	910.3	954.3	1051.1	1232.8	1429.3	1540.7	1713.7	1726.9	1748.8	1603.7
42.5°	840.0	851.7	925.0	1030.5	1228.4	1445.4	1612.5	1828.0	1842.7	1873.5	1710.7
45°	779.9	784.3	838.5	955.8	1180.1	1468.9	1668.2	1962.9	1971.7	1990.7	1800.2
47.5°	731.5	734.4	788.7	889.8	1134.6	1463.0	1722.5	2084.5	2105.1	2134.4	1905.7
50°	586.4	602.5	737.4	835.6	1055.5	1452.7	1765.0	2237.0	2267.8	2279.5	2027.4
52.5°	499.9	502.8	573.2	781.3	973.4	1408.8	1806.0	2392.4	2427.6	2395.3	2174.0
55°	463.2	466.2	498.4	672.9	904.5	1323.7	1836.8	2541.9	2566.8	2487.7	2283.9
57.5°	439.8	445.6	460.3	546.8	822.4	1181.5	1842.7	2624.0	2634.3	2561.0	2339.6
60°	407.5	407.5	436.8	477.9	733.0	1029.1	1794.3	2665.1	2714.9	2644.5	2442.2
62.5°	379.7	382.6	401.7	432.4	645.0	900.1	1652.1	2782.3	2807.2	2723.7	2478.9
65°	347.4	350.4	367.9	398.7	586.4	828.2	1575.9	2735.4	2662.1	2703.2	2524.3
67.5°	310.8	312.2	329.8	357.7	492.6	763.7	1392.6	2556.6	2496.5	2606.4	2398.3
70°	274.1	274.1	288.8	310.8	401.7	669.9	1150.8	2393.9	2439.3	2445.2	2273.6
72.5°	228.7	230.2	244.8	263.9	322.5	560.0	910.3	2231.1	2251.7	2174.0	1999.5
75°	164.2	170.0	186.2	205.2	255.1	444.2	646.5	1813.3	1920.4	2058.2	1718.1
77.5°	24.9	24.9	30.8	46.9	83.6	222.8	299.0	1001.2	1111.2	1722.5	1501.1
80°	20.5	20.5	22.0	30.8	48.4	124.6	96.8	313.7	337.2	791.6	845.8
82.5°	10.3	10.3	16.1	22.0	29.3	36.6	41.0	151.0	174.4	269.7	337.2
85°	5.9	5.9	7.3	10.3	11.7	11.7	13.2	71.8	74.8	146.6	152.5
87.5°	1.5	1.5	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5	1.5
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°	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8
2.5°	779.9	775.5	766.7	759.3	755.0	746.2	738.8	733.0	730.0	737.4	738.8
5°	781.3	771.1	755.0	744.7	733.0	718.3	700.7	690.5	686.1	687.5	691.9
7.5°	784.3	769.6	750.6	728.6	697.8	668.5	647.9	636.2	630.3	637.7	637.7
10°	775.5	759.3	733.0	699.2	659.7	630.3	606.9	586.4	579.0	582.0	583.4
12.5°	775.5	753.5	709.5	668.5	631.8	583.4	548.3	529.2	521.9	523.3	526.3
15°	779.9	750.6	689.0	639.1	584.9	533.6	502.8	479.4	472.0	464.7	467.6
17.5°	794.5	746.2	678.7	599.6	539.5	491.1	448.6	422.2	416.3	416.3	417.8
20°	809.2	752.0	661.1	570.2	498.4	438.3	394.3	375.3	362.1	356.2	362.1
22.5°	840.0	772.5	649.4	551.2	455.9	398.7	357.7	315.2	291.7	281.5	284.4
25°	895.7	809.2	658.2	517.5	432.4	362.1	304.9	253.6	221.4	211.1	214.0
27.5°	982.2	869.3	668.5	514.5	389.9	325.4	247.7	192.0	167.1	156.9	159.8
30°	1067.2	951.4	702.2	485.2	373.8	266.8	187.6	148.1	123.1	112.9	115.8
32.5°	1140.5	1030.5	744.7	477.9	331.3	200.8	140.7	109.9	90.9	82.1	83.6
35°	1249.0	1098.0	781.3	455.9	281.5	151.0	102.6	79.2	68.9	66.0	66.0
37.5°	1345.7	1177.1	816.5	448.6	211.1	112.9	73.3	64.5	63.0	58.6	58.6
40°	1446.9	1260.7	832.6	422.2	153.9	79.2	60.1	60.1	58.6	54.2	54.2
42.5°	1565.6	1345.7	847.3	391.4	109.9	60.1	55.7	57.2	55.7	51.3	49.8
45°	1650.6	1398.5	851.7	313.7	76.2	57.2	52.8	54.2	52.8	49.8	48.4
47.5°	1728.3	1474.7	832.6	219.9	61.6	54.2	51.3	51.3	51.3	46.9	45.4
50°	1809.0	1537.8	816.5	118.7	60.1	52.8	48.4	46.9	48.4	45.4	44.0
52.5°	1916.0	1586.1	774.0	80.6	58.6	51.3	46.9	44.0	45.4	42.5	44.0
55°	2058.2	1713.7	696.3	76.2	58.6	49.8	45.4	41.0	41.0	39.6	39.6
57.5°	2122.7	1762.0	571.7	73.3	57.2	49.8	42.5	38.1	35.2	33.7	32.3
60°	2201.8	1832.4	441.2	67.4	52.8	46.9	38.1	33.7	29.3	27.9	27.9
62.5°	2242.9	1848.5	348.9	60.1	48.4	41.0	33.7	27.9	23.5	20.5	20.5
65°	2266.3	1839.7	243.3	54.2	42.5	36.6	29.3	23.5	17.6	16.1	14.7
67.5°	2187.2	1787.0	142.2	46.9	36.6	32.3	24.9	19.1	14.7	13.2	11.7
70°	2028.8	1625.7	89.4	41.0	32.3	27.9	22.0	16.1	11.7	10.3	10.3
72.5°	1858.8	1310.5	61.6	32.3	24.9	22.0	16.1	13.2	10.3	7.3	7.3
75°	1672.6	1137.6	45.4	23.5	17.6	16.1	13.2	10.3	8.8	5.9	5.9
77.5°	1185.9	753.5	36.6	17.6	11.7	10.3	8.8	7.3	5.9	5.9	4.4
80°	700.7	367.9	27.9	11.7	8.8	7.3	5.9	5.9	4.4	4.4	4.4
82.5°	262.4	140.7	19.1	8.8	5.9	5.9	4.4	4.4	2.9	2.9	2.9
85°	95.3	35.2	8.8	4.4	4.4	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)