

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: P691333

Luminaire Tested: **CRTK2-C015-D-U-T3-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4000 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
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

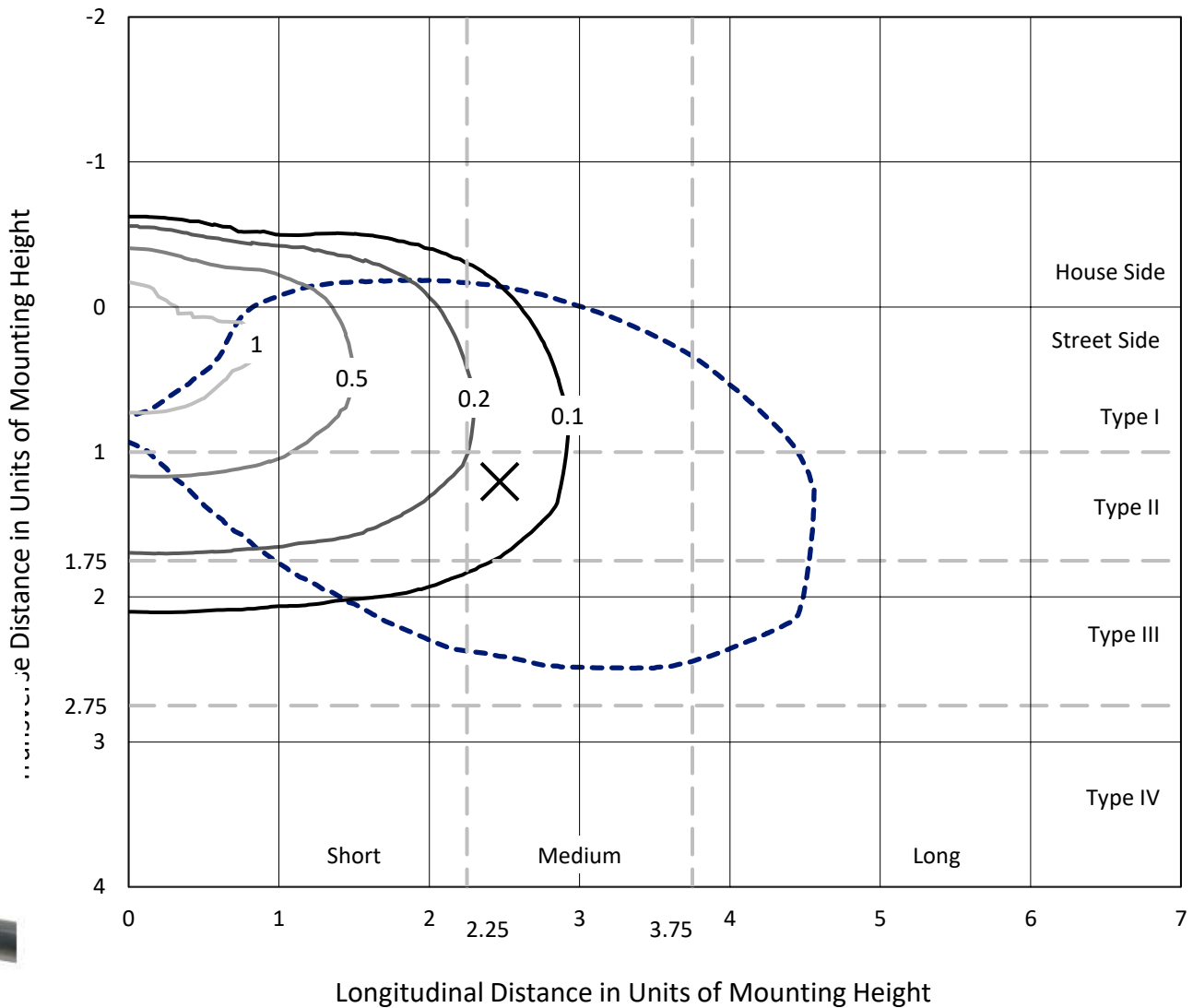


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

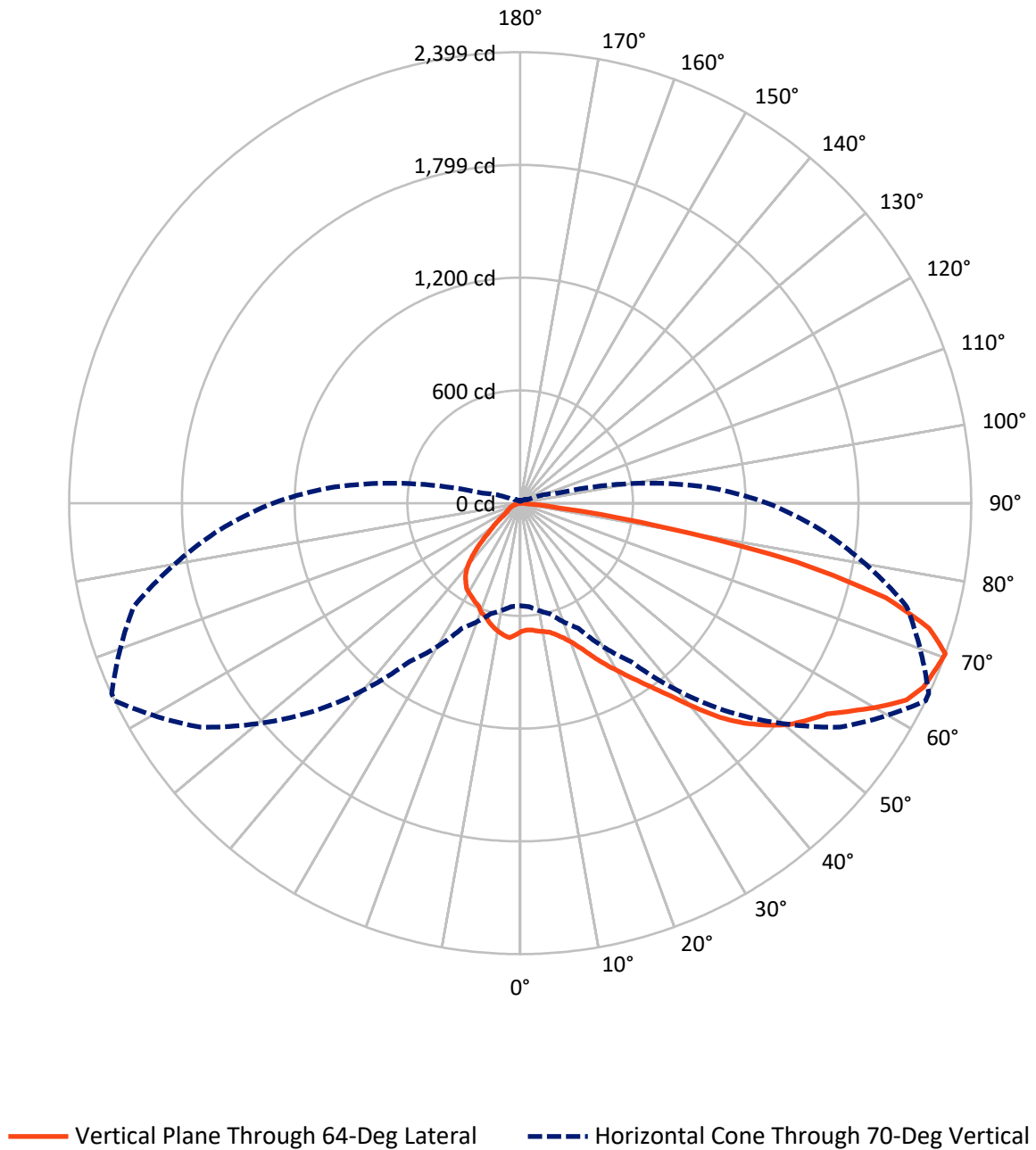


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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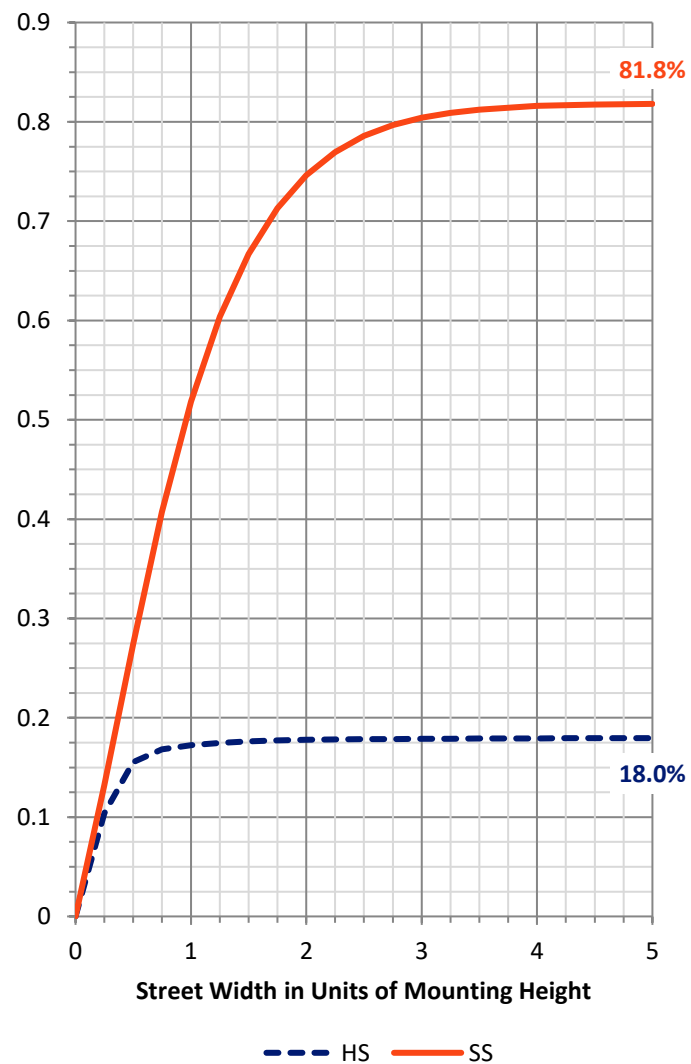
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.0	0.0	727.0
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	3273.0	0.0	3273.0
	% Fixture	81.8	0.0	81.8
Total	Lumens	4000.0	0.0	4000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.7
10°-20°	196.9	4.9
20°-30°	331.8	8.3
30°-40°	488.3	12.2
40°-50°	669.6	16.7
50°-60°	814.7	20.4
60°-70°	865.0	21.6
70°-80°	530.2	13.3
80°-90°	37.0	0.9
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°	4000.0	100.0
0°-180°	4000.0	100.0

Coefficient of Utilization



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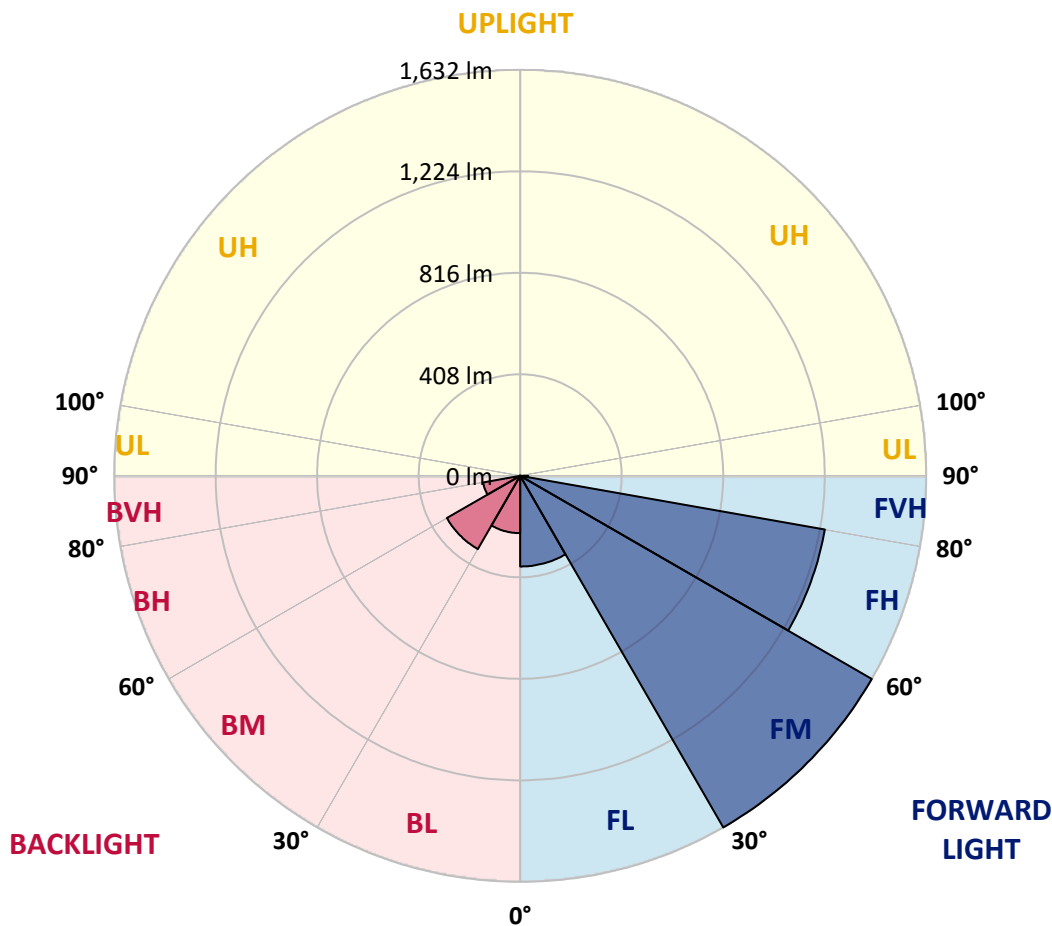
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.6	9.1			
FM	(30°-60°)	1632.3	40.8			
FH	(60°-80°)	1243.9	31.1			G1/1800
FVH	(80°-90°)	32.3	0.8			G1/100
BL	(0°-30°)	230.6	5.8	B1/500		
BM	(30°-60°)	340.3	8.5	B1/1000		
BH	(60°-80°)	151.4	3.8	B1/500		G1/500
BVH	(80°-90°)	4.7	0.1			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0
2.5°	675.7	675.7	677.1	675.7	678.6	674.2	675.7	675.7	675.7	677.1	681.5
5°	696.2	696.2	693.3	688.9	684.5	678.6	678.6	678.6	678.6	681.5	691.8
7.5°	709.4	707.9	707.9	707.9	703.5	691.8	688.9	687.4	687.4	687.4	697.7
10°	741.6	737.2	731.4	722.6	718.2	707.9	696.2	694.7	694.7	696.2	709.4
12.5°	772.4	768.0	768.0	762.1	744.6	732.8	712.3	705.0	705.0	707.9	715.2
15°	823.7	819.3	807.6	797.3	781.2	760.7	740.2	727.0	725.5	731.4	721.1
17.5°	860.3	853.0	854.5	838.4	825.2	795.9	775.3	754.8	754.8	760.7	740.2
20°	895.5	895.5	897.0	895.5	873.5	850.1	816.4	791.5	792.9	794.4	762.1
22.5°	948.3	946.8	946.8	948.3	933.6	907.2	870.6	842.8	841.3	829.6	790.0
25°	1009.8	1006.9	1001.1	1006.9	999.6	968.8	933.6	905.8	901.4	885.3	831.0
27.5°	1061.1	1061.1	1061.1	1064.1	1064.1	1042.1	1002.5	973.2	976.1	954.1	879.4
30°	1097.8	1097.8	1111.0	1116.8	1121.2	1113.9	1071.4	1040.6	1046.5	1020.1	939.5
32.5°	1137.4	1135.9	1153.5	1166.7	1172.5	1175.5	1140.3	1115.4	1116.8	1093.4	1008.4
35°	1174.0	1171.1	1194.5	1222.4	1237.0	1234.1	1209.2	1200.4	1203.3	1196.0	1102.2
37.5°	1200.4	1204.8	1235.6	1272.2	1295.7	1301.5	1285.4	1301.5	1317.6	1327.9	1223.8
40°	1229.7	1229.7	1259.0	1298.6	1335.2	1357.2	1368.9	1427.6	1440.8	1448.1	1295.7
42.5°	1200.4	1210.6	1272.2	1329.4	1377.7	1411.4	1459.8	1558.0	1572.7	1527.2	1390.9
45°	1175.5	1184.3	1245.8	1342.6	1412.9	1478.9	1566.8	1669.4	1684.1	1606.4	1445.1
47.5°	1150.5	1160.8	1225.3	1332.3	1445.1	1553.6	1653.3	1764.7	1772.0	1675.3	1517.0
50°	1122.7	1133.0	1200.4	1319.1	1464.2	1634.2	1738.3	1852.6	1854.1	1735.4	1553.6
52.5°	1087.5	1100.7	1168.1	1300.0	1480.3	1688.4	1814.5	1917.1	1908.3	1808.6	1597.6
55°	1043.6	1058.2	1133.0	1275.1	1489.1	1723.6	1864.3	1980.1	1974.3	1893.6	1654.7
57.5°	993.7	1009.8	1087.5	1237.0	1486.2	1741.2	1915.6	2084.2	2087.1	1964.0	1697.2
60°	936.6	951.2	1024.5	1187.2	1448.1	1773.5	2025.6	2198.5	2208.8	2041.7	1714.8
62.5°	861.8	875.0	945.4	1113.9	1399.7	1796.9	2109.1	2307.0	2302.6	2094.4	1720.7
65°	768.0	782.7	848.6	1017.2	1323.5	1782.3	2135.5	2358.3	2358.3	2132.5	1716.3
67.5°	672.7	685.9	741.6	894.1	1200.4	1709.0	2119.4	2378.8	2392.0	2157.5	1676.7
70°	545.2	552.6	608.3	734.3	1028.9	1571.2	2078.3	2399.3	2397.8	2129.6	1602.0
72.5°	400.1	408.9	454.4	551.1	795.9	1360.1	1949.3	2274.7	2251.3	1980.1	1456.9
75°	206.7	215.5	250.6	345.9	507.1	960.0	1662.1	2009.4	2005.0	1752.9	1206.2
77.5°	27.8	27.8	32.2	57.2	117.3	382.5	1089.0	1505.2	1496.4	1336.7	876.5
80°	19.1	19.1	22.0	26.4	33.7	83.5	384.0	763.6	776.8	688.9	392.8
82.5°	14.7	13.2	16.1	19.1	20.5	38.1	117.3	211.1	214.0	192.0	120.2
85°	8.8	8.8	8.8	8.8	7.3	10.3	26.4	35.2	39.6	38.1	30.8
87.5°	4.4	4.4	4.4	2.9	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0
2.5°	683.0	687.4	693.3	700.6	707.9	713.8	719.6	722.6	725.5	727.0	728.4
5°	694.7	700.6	707.9	718.2	718.2	713.8	710.8	710.8	713.8	718.2	719.6
7.5°	706.5	712.3	709.4	707.9	709.4	703.5	696.2	691.8	688.9	688.9	691.8
10°	710.8	705.0	702.1	694.7	680.1	677.1	671.3	659.6	656.6	659.6	649.3
12.5°	707.9	703.5	688.9	677.1	662.5	637.6	622.9	622.9	615.6	614.1	615.6
15°	715.2	700.6	683.0	658.1	631.7	611.2	587.7	567.2	561.4	562.8	562.8
17.5°	721.1	706.5	671.3	633.2	609.7	573.1	546.7	535.0	524.7	523.2	523.2
20°	734.3	713.8	663.9	622.9	564.3	536.4	507.1	492.5	476.3	454.4	447.0
22.5°	754.8	727.0	659.6	595.1	543.8	499.8	457.3	413.3	386.9	369.3	373.7
25°	782.7	751.9	663.9	584.8	513.0	457.3	401.6	341.5	301.9	290.2	297.5
27.5°	832.5	779.7	677.1	570.1	491.0	407.5	323.9	271.1	234.5	222.8	227.2
30°	877.9	822.2	678.6	561.4	455.8	348.8	255.0	196.4	167.1	149.5	145.1
32.5°	960.0	867.7	715.2	549.6	419.2	284.3	187.6	130.4	104.1	93.8	90.9
35°	1040.6	948.3	725.5	527.6	351.8	211.1	115.8	77.7	63.0	55.7	54.2
37.5°	1152.0	1046.5	768.0	504.2	284.3	129.0	70.4	46.9	44.0	42.5	42.5
40°	1207.7	1097.8	803.2	470.5	199.3	73.3	45.4	41.0	39.6	38.1	38.1
42.5°	1286.9	1156.4	832.5	410.4	117.3	48.4	41.0	38.1	36.6	35.2	35.2
45°	1330.8	1187.2	825.2	337.1	58.6	45.4	39.6	36.6	33.7	33.7	33.7
47.5°	1389.5	1232.6	806.1	249.2	52.8	44.0	38.1	35.2	33.7	35.2	33.7
50°	1445.1	1276.6	753.4	197.9	51.3	42.5	38.1	33.7	33.7	33.7	33.7
52.5°	1475.9	1317.6	687.4	145.1	52.8	42.5	36.6	33.7	33.7	32.2	33.7
55°	1505.2	1323.5	634.6	105.5	52.8	41.0	35.2	32.2	30.8	29.3	29.3
57.5°	1525.8	1310.3	592.1	87.9	52.8	41.0	33.7	30.8	26.4	24.9	24.9
60°	1519.9	1278.1	557.0	80.6	49.8	38.1	30.8	26.4	23.5	20.5	20.5
62.5°	1503.8	1259.0	492.5	70.4	45.4	35.2	27.8	22.0	19.1	17.6	17.6
65°	1489.1	1198.9	417.7	63.0	42.5	30.8	23.5	19.1	16.1	14.7	14.7
67.5°	1418.8	1119.8	310.7	54.2	38.1	27.8	20.5	17.6	14.7	13.2	11.7
70°	1314.7	992.3	203.7	46.9	33.7	23.5	17.6	14.7	11.7	10.3	10.3
72.5°	1137.4	819.3	105.5	38.1	27.8	20.5	16.1	13.2	10.3	8.8	8.8
75°	923.4	602.4	63.0	29.3	22.0	17.6	13.2	10.3	8.8	7.3	7.3
77.5°	639.0	332.7	45.4	22.0	14.7	13.2	10.3	8.8	7.3	5.9	5.9
80°	215.5	90.9	32.2	16.1	10.3	10.3	7.3	5.9	5.9	4.4	4.4
82.5°	85.0	55.7	22.0	11.7	8.8	7.3	5.9	4.4	4.4	4.4	4.4
85°	23.5	16.1	8.8	5.9	4.4	4.4	4.4	2.9	2.9	2.9	2.9
87.5°	1.5	2.9	2.9	2.9	2.9	2.9	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)