

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: P691241

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691241
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-C015-5TLD-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: 4446 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.7
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



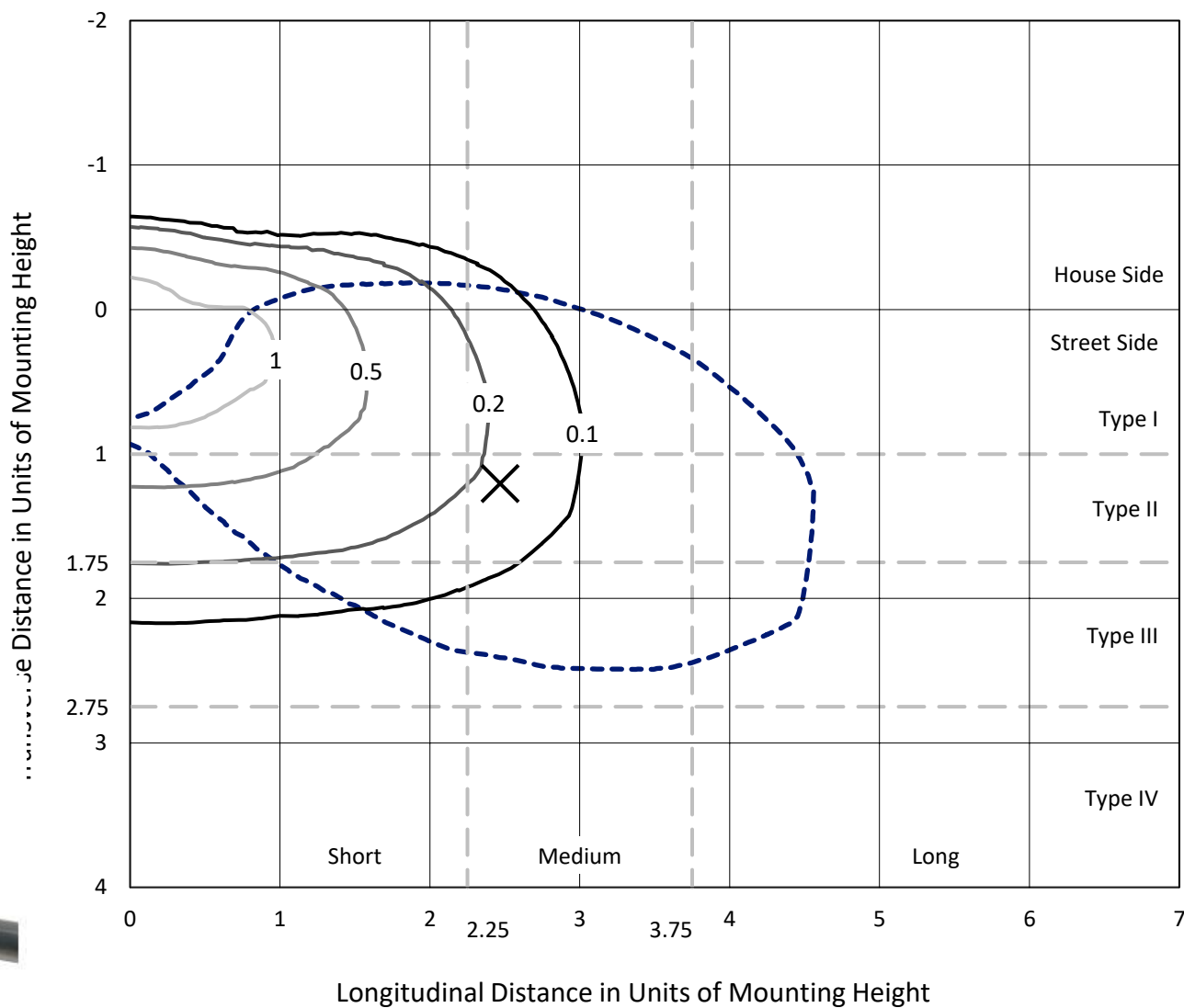
REPORT NUMBER: P691241

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

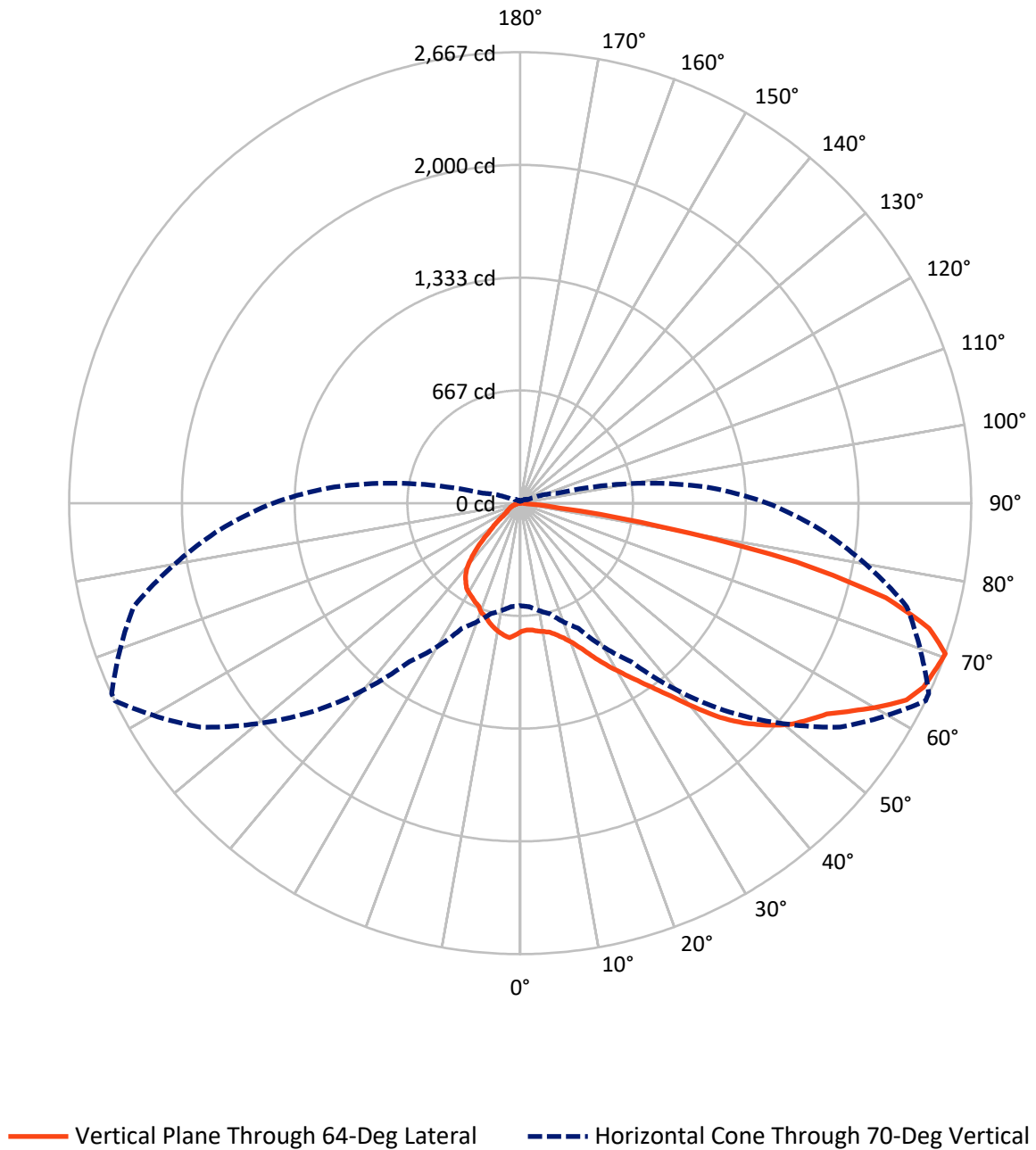


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P691241

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691241

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-U0-HSS-CRTK2

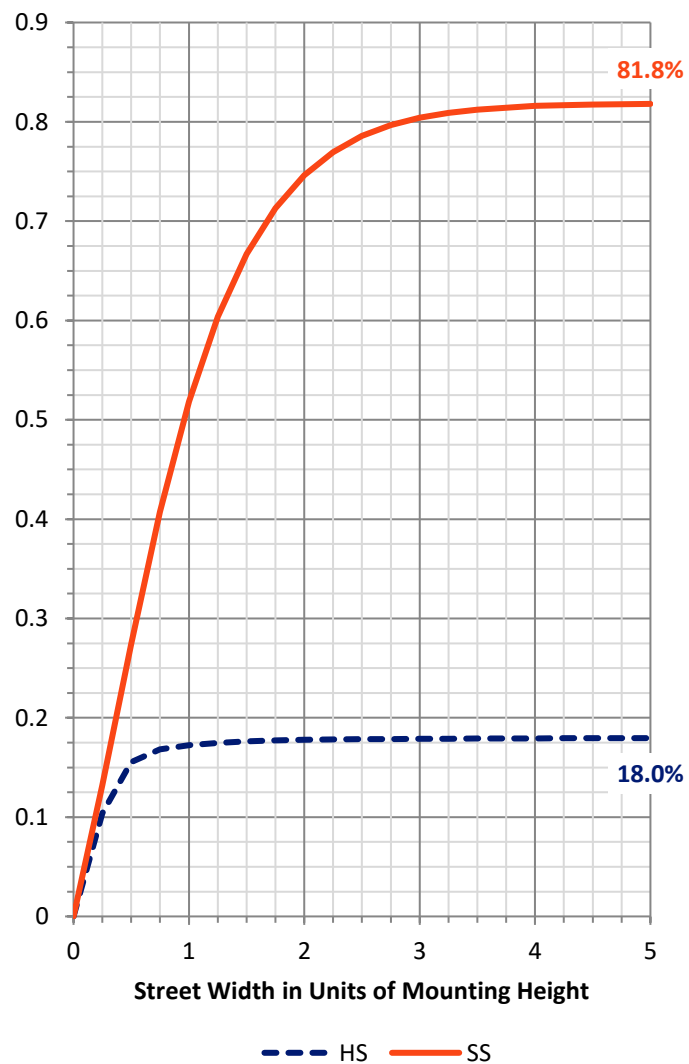
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	808.0	0.0	808.0
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	3638.0	0.0	3638.0
	% Fixture	81.8	0.0	81.8
Total	Lumens	4446.0	0.0	4446.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.7
10°-20°	218.9	4.9
20°-30°	368.8	8.3
30°-40°	542.7	12.2
40°-50°	744.2	16.7
50°-60°	905.5	20.4
60°-70°	961.4	21.6
70°-80°	589.4	13.3
80°-90°	41.1	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°	4446.0	100.0
0°-180°	4446.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691241

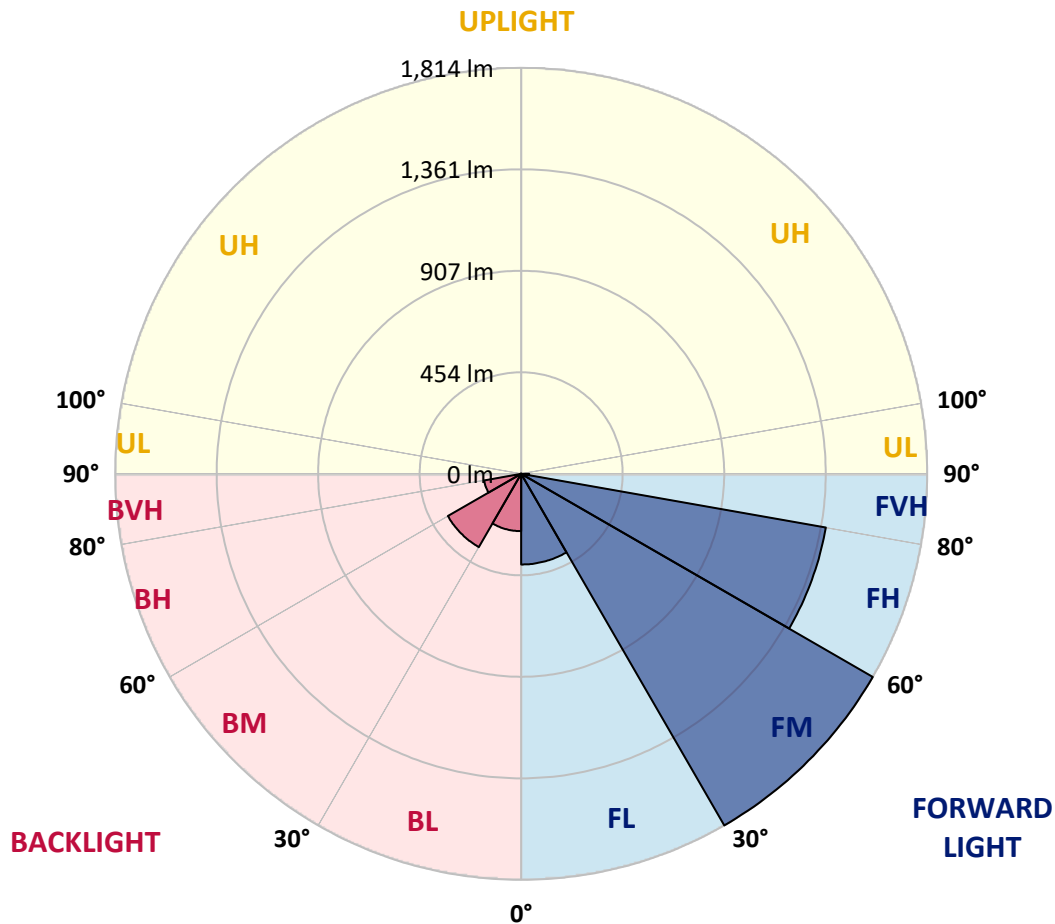
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	405.3	9.1			
FM	(30°-60°)	1814.3	40.8			
FH	(60°-80°)	1382.6	31.1			G1/1800
FVH	(80°-90°)	35.9	0.8			G1/100
BL	(0°-30°)	256.3	5.8	B1/500		
BM	(30°-60°)	378.2	8.5	B1/1000		
BH	(60°-80°)	168.2	3.8	B1/500		G1/500
BVH	(80°-90°)	5.3	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



REPORT NUMBER: P691241

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-U0-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2
2.5°	751.0	751.0	752.6	751.0	754.3	749.4	751.0	751.0	751.0	752.6	757.5
5°	773.8	773.8	770.6	765.7	760.8	754.3	754.3	754.3	754.3	757.5	768.9
7.5°	788.5	786.9	786.9	786.9	782.0	768.9	765.7	764.0	764.0	764.0	775.4
10°	824.3	819.4	812.9	803.1	798.3	786.9	773.8	772.2	772.2	773.8	788.5
12.5°	858.5	853.6	853.6	847.1	827.6	814.5	791.7	783.6	783.6	786.9	795.0
15°	915.5	910.7	897.6	886.2	868.3	845.5	822.7	808.0	806.4	812.9	801.5
17.5°	956.3	948.1	949.8	931.8	917.2	884.6	861.8	839.0	839.0	845.5	822.7
20°	995.4	995.4	997.0	995.4	970.9	944.9	907.4	879.7	881.3	883.0	847.1
22.5°	1054.0	1052.4	1052.4	1054.0	1037.7	1008.4	967.7	936.7	935.1	922.1	878.1
25°	1122.4	1119.2	1112.7	1119.2	1111.0	1076.8	1037.7	1006.8	1001.9	984.0	923.7
27.5°	1179.5	1179.5	1179.5	1182.7	1182.7	1158.3	1114.3	1081.7	1085.0	1060.5	977.5
30°	1220.2	1220.2	1234.8	1241.4	1246.3	1238.1	1190.9	1156.7	1163.2	1133.8	1044.2
32.5°	1264.2	1262.5	1282.1	1296.8	1303.3	1306.5	1267.4	1239.7	1241.4	1215.3	1120.8
35°	1304.9	1301.6	1327.7	1358.7	1375.0	1371.7	1344.0	1334.2	1337.5	1329.3	1225.1
37.5°	1334.2	1339.1	1373.3	1414.0	1440.1	1446.6	1428.7	1446.6	1464.6	1476.0	1360.3
40°	1366.8	1366.8	1399.4	1443.4	1484.1	1508.5	1521.6	1586.7	1601.4	1609.5	1440.1
42.5°	1334.2	1345.6	1414.0	1477.6	1531.3	1568.8	1622.6	1731.7	1748.0	1697.5	1546.0
45°	1306.5	1316.3	1384.7	1492.2	1570.4	1643.8	1741.5	1855.5	1871.8	1785.5	1606.3
47.5°	1278.8	1290.2	1361.9	1480.8	1606.3	1726.8	1837.6	1961.4	1969.6	1862.0	1686.1
50°	1247.9	1259.3	1334.2	1466.2	1627.5	1816.4	1932.1	2059.2	2060.8	1928.8	1726.8
52.5°	1208.8	1223.4	1298.4	1445.0	1645.4	1876.7	2016.8	2130.8	2121.1	2010.3	1775.7
55°	1159.9	1176.2	1259.3	1417.3	1655.2	1915.8	2072.2	2200.9	2194.4	2104.8	1839.2
57.5°	1104.5	1122.4	1208.8	1375.0	1651.9	1935.4	2129.2	2316.6	2319.8	2183.0	1886.5
60°	1041.0	1057.3	1138.7	1319.6	1609.5	1971.2	2251.4	2443.6	2455.0	2269.3	1906.0
62.5°	957.9	972.6	1050.8	1238.1	1555.8	1997.3	2344.3	2564.2	2559.3	2328.0	1912.6
65°	853.6	869.9	943.2	1130.6	1471.1	1981.0	2373.6	2621.2	2621.2	2370.3	1907.7
67.5°	747.8	762.4	824.3	993.7	1334.2	1899.5	2355.7	2644.0	2658.7	2398.0	1863.7
70°	606.0	614.2	676.1	816.2	1143.6	1746.4	2310.0	2666.8	2665.2	2367.1	1780.6
72.5°	444.7	454.5	505.0	612.5	884.6	1511.8	2166.7	2528.3	2502.3	2200.9	1619.3
75°	229.7	239.5	278.6	384.5	563.7	1067.1	1847.4	2233.5	2228.6	1948.4	1340.7
77.5°	31.0	31.0	35.8	63.5	130.3	425.2	1210.4	1673.1	1663.3	1485.7	974.2
80°	21.2	21.2	24.4	29.3	37.5	92.9	426.8	848.8	863.4	765.7	436.6
82.5°	16.3	14.7	17.9	21.2	22.8	42.4	130.3	234.6	237.8	213.4	133.6
85°	9.8	9.8	9.8	9.8	8.1	11.4	29.3	39.1	44.0	42.4	34.2
87.5°	4.9	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691241

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2	759.2
2.5°	759.2	764.0	770.6	778.7	786.9	793.4	799.9	803.1	806.4	808.0	809.7
5°	772.2	778.7	786.9	798.3	798.3	793.4	790.1	790.1	793.4	798.3	799.9
7.5°	785.2	791.7	788.5	786.9	788.5	782.0	773.8	768.9	765.7	765.7	768.9
10°	790.1	783.6	780.3	772.2	755.9	752.6	746.1	733.1	729.8	733.1	721.7
12.5°	786.9	782.0	765.7	752.6	736.3	708.7	692.4	692.4	684.2	682.6	684.2
15°	795.0	778.7	759.2	731.5	702.1	679.3	653.3	630.5	623.9	625.6	625.6
17.5°	801.5	785.2	746.1	703.8	677.7	637.0	607.7	594.6	583.2	581.6	581.6
20°	816.2	793.4	738.0	692.4	627.2	596.2	563.7	547.4	529.5	505.0	496.9
22.5°	839.0	808.0	733.1	661.4	604.4	555.5	508.3	459.4	430.1	410.5	415.4
25°	869.9	835.7	738.0	650.0	570.2	508.3	446.4	379.6	335.6	322.6	330.7
27.5°	925.3	866.7	752.6	633.7	545.7	452.9	360.0	301.4	260.7	247.6	252.5
30°	975.8	913.9	754.3	623.9	506.6	387.7	283.5	218.3	185.7	166.2	161.3
32.5°	1067.1	964.4	795.0	610.9	465.9	316.0	208.5	145.0	115.7	104.3	101.0
35°	1156.7	1054.0	806.4	586.5	391.0	234.6	128.7	86.3	70.1	61.9	60.3
37.5°	1280.5	1163.2	853.6	560.4	316.0	143.4	78.2	52.1	48.9	47.2	47.2
40°	1342.4	1220.2	892.7	522.9	221.6	81.5	50.5	45.6	44.0	42.4	42.4
42.5°	1430.3	1285.4	925.3	456.1	130.3	53.8	45.6	42.4	40.7	39.1	39.1
45°	1479.2	1319.6	917.2	374.7	65.2	50.5	44.0	40.7	37.5	37.5	37.5
47.5°	1544.4	1370.1	896.0	276.9	58.6	48.9	42.4	39.1	37.5	39.1	37.5
50°	1606.3	1418.9	837.4	219.9	57.0	47.2	42.4	37.5	37.5	37.5	37.5
52.5°	1640.5	1464.6	764.0	161.3	58.6	47.2	40.7	37.5	37.5	35.8	37.5
55°	1673.1	1471.1	705.4	117.3	58.6	45.6	39.1	35.8	34.2	32.6	32.6
57.5°	1695.9	1456.4	658.2	97.7	58.6	45.6	37.5	34.2	29.3	27.7	27.7
60°	1689.4	1420.6	619.1	89.6	55.4	42.4	34.2	29.3	26.1	22.8	22.8
62.5°	1671.4	1399.4	547.4	78.2	50.5	39.1	31.0	24.4	21.2	19.5	19.5
65°	1655.2	1332.6	464.3	70.1	47.2	34.2	26.1	21.2	17.9	16.3	16.3
67.5°	1577.0	1244.6	345.4	60.3	42.4	31.0	22.8	19.5	16.3	14.7	13.0
70°	1461.3	1102.9	226.4	52.1	37.5	26.1	19.5	16.3	13.0	11.4	11.4
72.5°	1264.2	910.7	117.3	42.4	31.0	22.8	17.9	14.7	11.4	9.8	9.8
75°	1026.3	669.6	70.1	32.6	24.4	19.5	14.7	11.4	9.8	8.1	8.1
77.5°	710.3	369.8	50.5	24.4	16.3	14.7	11.4	9.8	8.1	6.5	6.5
80°	239.5	101.0	35.8	17.9	11.4	11.4	8.1	6.5	6.5	4.9	4.9
82.5°	94.5	61.9	24.4	13.0	9.8	8.1	6.5	4.9	4.9	4.9	4.9
85°	26.1	17.9	9.8	6.5	4.9	4.9	4.9	3.3	3.3	3.3	3.3
87.5°	1.6	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6
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)