

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: P691533

Luminaire Tested: **CRTK2-C016-D-U-T3-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691533
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-C016-D-U-T3-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 4692 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.6
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

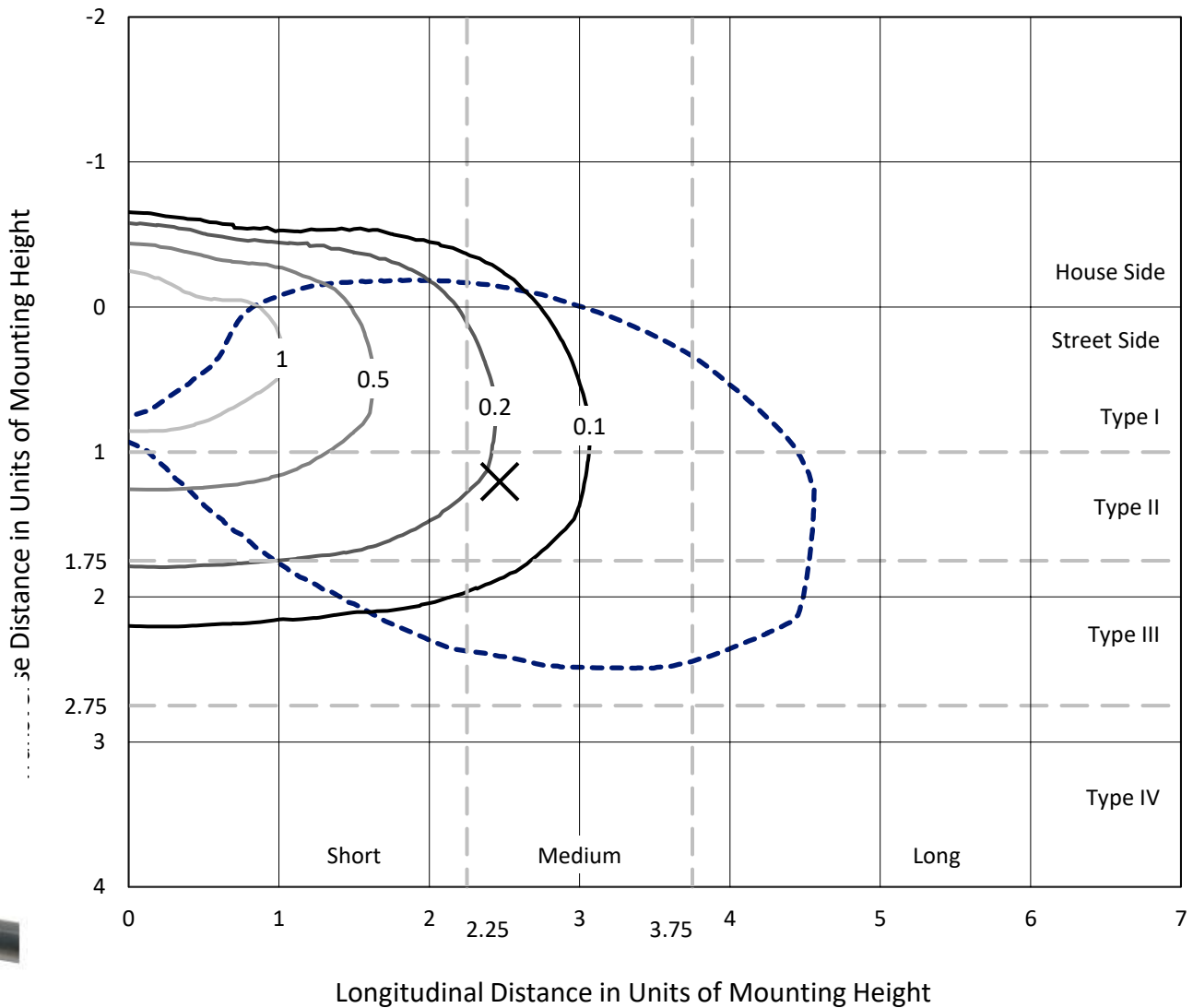


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

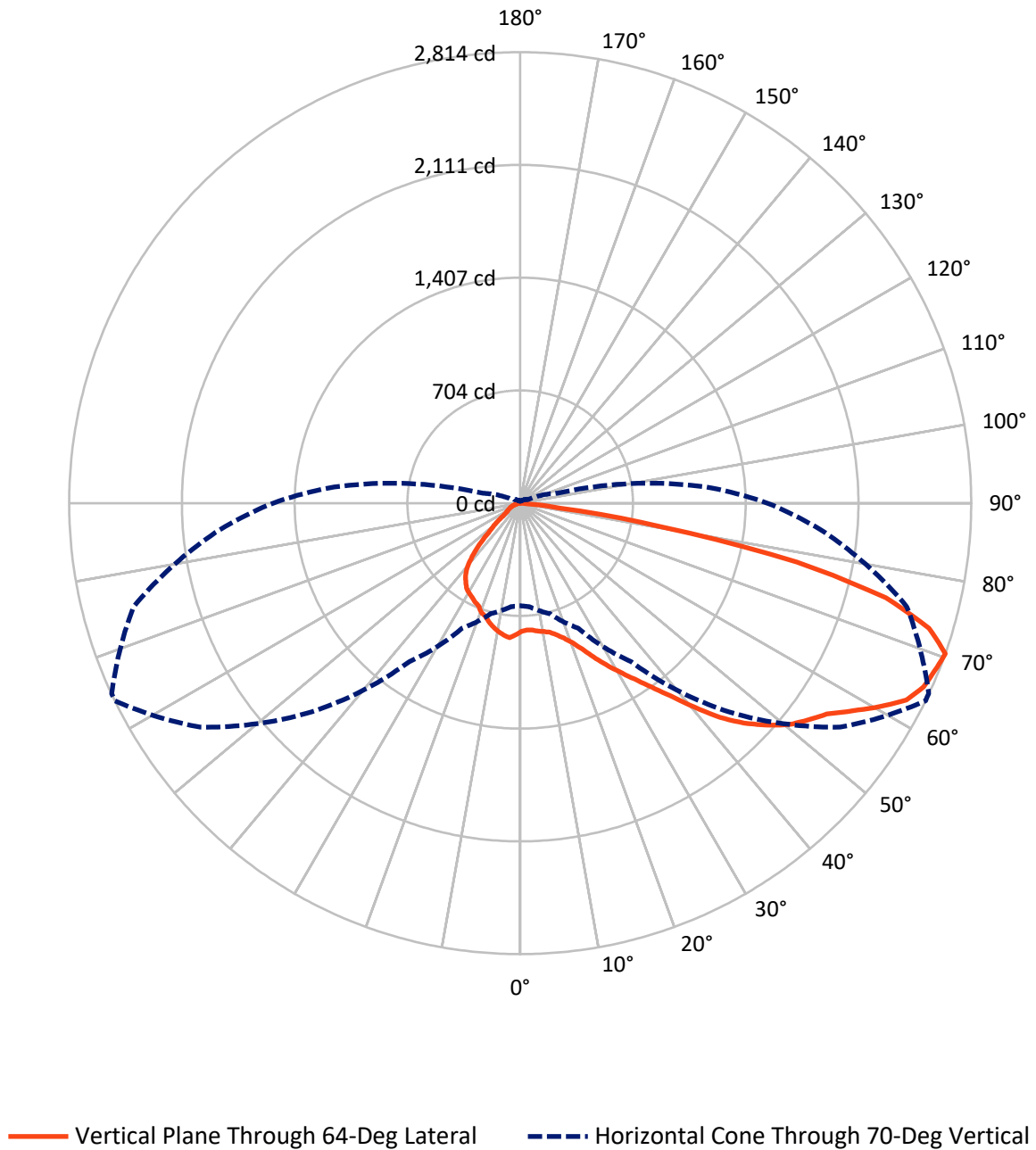


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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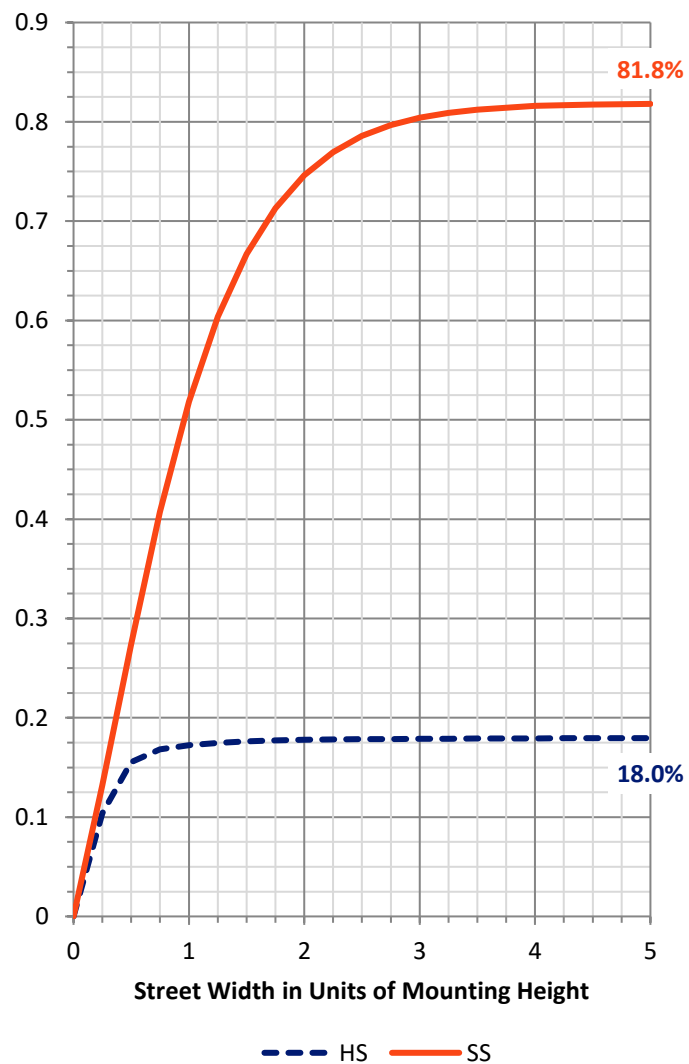
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	852.7	0.0	852.7
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	3839.3	0.0	3839.3
	% Fixture	81.8	0.0	81.8
Total	Lumens	4692.0	0.0	4692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.7
10°-20°	231.0	4.9
20°-30°	389.2	8.3
30°-40°	572.7	12.2
40°-50°	785.4	16.7
50°-60°	955.6	20.4
60°-70°	1014.6	21.6
70°-80°	622.0	13.3
80°-90°	43.4	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°	4692.0	100.0
0°-180°	4692.0	100.0

Coefficient of Utilization



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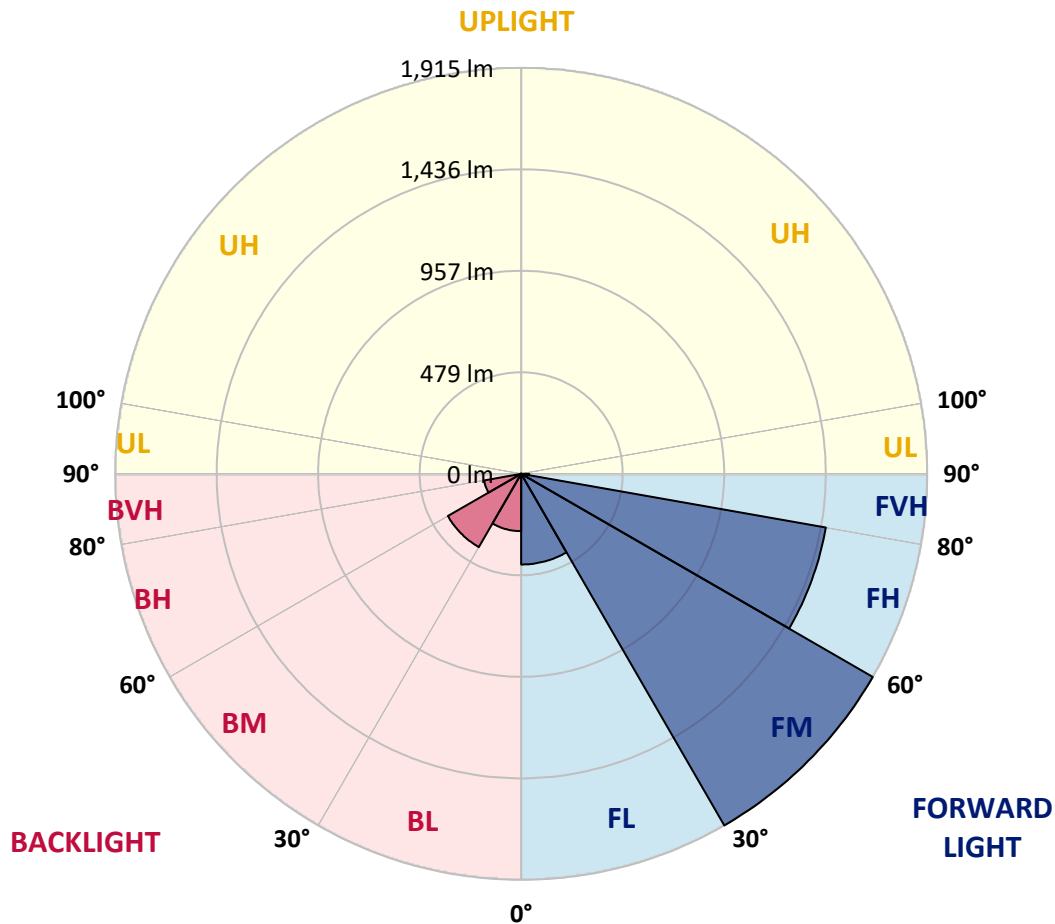
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	427.7	9.1			
FM	(30°-60°)	1914.7	40.8			
FH	(60°-80°)	1459.1	31.1			G1/1800
FVH	(80°-90°)	37.8	0.8			G1/100
BL	(0°-30°)	270.5	5.8	B1/500		
BM	(30°-60°)	399.1	8.5	B1/1000		
BH	(60°-80°)	177.5	3.8	B1/500		G1/500
BVH	(80°-90°)	5.6	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°	801.2	801.2	801.2	801.2	801.2	801.2	801.2	801.2	801.2	801.2	801.2
2.5°	792.6	792.6	794.3	792.6	796.0	790.8	792.6	792.6	792.6	794.3	799.4
5°	816.6	816.6	813.2	808.0	802.9	796.0	796.0	796.0	796.0	799.4	811.5
7.5°	832.1	830.4	830.4	830.4	825.2	811.5	808.0	806.3	806.3	806.3	818.4
10°	869.9	864.8	857.9	847.6	842.4	830.4	816.6	814.9	814.9	816.6	832.1
12.5°	906.0	900.9	900.9	894.0	873.4	859.6	835.5	826.9	826.9	830.4	839.0
15°	966.2	961.0	947.3	935.3	916.3	892.3	868.2	852.7	851.0	857.9	845.9
17.5°	1009.2	1000.6	1002.3	983.4	967.9	933.5	909.5	885.4	885.4	892.3	868.2
20°	1050.4	1050.4	1052.2	1050.4	1024.7	997.2	957.6	928.4	930.1	931.8	894.0
22.5°	1112.3	1110.6	1110.6	1112.3	1095.1	1064.2	1021.2	988.6	986.8	973.1	926.7
25°	1184.5	1181.1	1174.2	1181.1	1172.5	1136.4	1095.1	1062.5	1057.3	1038.4	974.8
27.5°	1244.7	1244.7	1244.7	1248.2	1248.2	1222.4	1176.0	1141.6	1145.0	1119.2	1031.5
30°	1287.7	1287.7	1303.2	1310.1	1315.2	1306.6	1256.8	1220.7	1227.5	1196.6	1102.0
32.5°	1334.1	1332.4	1353.0	1368.5	1375.4	1378.8	1337.6	1308.3	1310.1	1282.5	1182.8
35°	1377.1	1373.7	1401.2	1433.8	1451.0	1447.6	1418.4	1408.0	1411.5	1402.9	1292.9
37.5°	1408.0	1413.2	1449.3	1492.3	1519.8	1526.7	1507.8	1526.7	1545.6	1557.6	1435.6
40°	1442.4	1442.4	1476.8	1523.2	1566.2	1592.0	1605.8	1674.5	1690.0	1698.6	1519.8
42.5°	1408.0	1420.1	1492.3	1559.3	1616.1	1655.6	1712.4	1827.5	1844.7	1791.4	1631.5
45°	1378.8	1389.1	1461.3	1574.8	1657.3	1734.7	1837.9	1958.2	1975.4	1884.3	1695.2
47.5°	1349.6	1361.6	1437.3	1562.8	1695.2	1822.4	1939.3	2070.0	2078.5	1965.1	1779.4
50°	1316.9	1329.0	1408.0	1547.3	1717.5	1916.9	2039.0	2173.1	2174.8	2035.6	1822.4
52.5°	1275.7	1291.1	1370.2	1525.0	1736.4	1980.6	2128.4	2248.8	2238.4	2121.5	1874.0
55°	1224.1	1241.3	1329.0	1495.7	1746.7	2021.8	2186.9	2322.7	2315.8	2221.2	1941.0
57.5°	1165.6	1184.5	1275.7	1451.0	1743.3	2042.4	2247.0	2444.7	2448.2	2303.8	1990.9
60°	1098.6	1115.8	1201.7	1392.6	1698.6	2080.3	2376.0	2578.8	2590.9	2394.9	2011.5
62.5°	1010.9	1026.4	1108.9	1306.6	1641.9	2107.8	2474.0	2706.1	2700.9	2456.8	2018.4
65°	900.9	918.1	995.4	1193.1	1552.5	2090.6	2504.9	2766.2	2766.2	2501.5	2013.2
67.5°	789.1	804.6	869.9	1048.7	1408.0	2004.6	2486.0	2790.3	2805.8	2530.7	1966.8
70°	639.6	648.1	713.5	861.3	1206.9	1843.0	2437.9	2814.4	2812.7	2498.0	1879.1
72.5°	469.3	479.7	533.0	646.4	933.5	1595.4	2286.6	2668.2	2640.7	2322.7	1708.9
75°	242.4	252.7	294.0	405.7	594.9	1126.1	1949.6	2357.1	2351.9	2056.2	1414.9
77.5°	32.7	32.7	37.8	67.0	137.5	448.7	1277.4	1765.6	1755.3	1567.9	1028.1
80°	22.3	22.3	25.8	30.9	39.5	98.0	450.4	895.7	911.2	808.0	460.8
82.5°	17.2	15.5	18.9	22.3	24.1	44.7	137.5	247.6	251.0	225.2	141.0
85°	10.3	10.3	10.3	10.3	8.6	12.0	30.9	41.3	46.4	44.7	36.1
87.5°	5.2	5.2	5.2	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	801.2	801.2	801.2	801.2	801.2	801.2	801.2	801.2	801.2	801.2	801.2
2.5°	801.2	806.3	813.2	821.8	830.4	837.3	844.1	847.6	851.0	852.7	854.5
5°	814.9	821.8	830.4	842.4	842.4	837.3	833.8	833.8	837.3	842.4	844.1
7.5°	828.7	835.5	832.1	830.4	832.1	825.2	816.6	811.5	808.0	808.0	811.5
10°	833.8	826.9	823.5	814.9	797.7	794.3	787.4	773.7	770.2	773.7	761.6
12.5°	830.4	825.2	808.0	794.3	777.1	747.9	730.7	730.7	722.1	720.4	722.1
15°	839.0	821.8	801.2	771.9	741.0	716.9	689.4	665.3	658.5	660.2	660.2
17.5°	845.9	828.7	787.4	742.7	715.2	672.2	641.3	627.5	615.5	613.8	613.8
20°	861.3	837.3	778.8	730.7	661.9	629.2	594.9	577.7	558.7	533.0	524.4
22.5°	885.4	852.7	773.7	698.0	637.8	586.3	536.4	484.8	453.9	433.2	438.4
25°	918.1	882.0	778.8	686.0	601.7	536.4	471.1	400.6	354.2	340.4	349.0
27.5°	976.5	914.6	794.3	668.8	575.9	477.9	379.9	318.1	275.1	261.3	266.5
30°	1029.8	964.5	796.0	658.5	534.7	409.2	299.1	230.4	196.0	175.4	170.2
32.5°	1126.1	1017.8	839.0	644.7	491.7	333.5	220.1	153.0	122.1	110.0	106.6
35°	1220.7	1112.3	851.0	618.9	412.6	247.6	135.8	91.1	73.9	65.3	63.6
37.5°	1351.3	1227.5	900.9	591.4	333.5	151.3	82.5	55.0	51.6	49.9	49.9
40°	1416.6	1287.7	942.1	551.9	233.8	86.0	53.3	48.1	46.4	44.7	44.7
42.5°	1509.5	1356.5	976.5	481.4	137.5	56.7	48.1	44.7	43.0	41.3	41.3
45°	1561.1	1392.6	967.9	395.4	68.8	53.3	46.4	43.0	39.5	39.5	39.5
47.5°	1629.8	1445.9	945.6	292.3	61.9	51.6	44.7	41.3	39.5	41.3	39.5
50°	1695.2	1497.4	883.7	232.1	60.2	49.9	44.7	39.5	39.5	39.5	39.5
52.5°	1731.3	1545.6	806.3	170.2	61.9	49.9	43.0	39.5	39.5	37.8	39.5
55°	1765.6	1552.5	744.4	123.8	61.9	48.1	41.3	37.8	36.1	34.4	34.4
57.5°	1789.7	1537.0	694.6	103.2	61.9	48.1	39.5	36.1	30.9	29.2	29.2
60°	1782.8	1499.2	653.3	94.6	58.5	44.7	36.1	30.9	27.5	24.1	24.1
62.5°	1763.9	1476.8	577.7	82.5	53.3	41.3	32.7	25.8	22.3	20.6	20.6
65°	1746.7	1406.3	490.0	73.9	49.9	36.1	27.5	22.3	18.9	17.2	17.2
67.5°	1664.2	1313.5	364.5	63.6	44.7	32.7	24.1	20.6	17.2	15.5	13.8
70°	1542.1	1163.9	239.0	55.0	39.5	27.5	20.6	17.2	13.8	12.0	12.0
72.5°	1334.1	961.0	123.8	44.7	32.7	24.1	18.9	15.5	12.0	10.3	10.3
75°	1083.1	706.6	73.9	34.4	25.8	20.6	15.5	12.0	10.3	8.6	8.6
77.5°	749.6	390.3	53.3	25.8	17.2	15.5	12.0	10.3	8.6	6.9	6.9
80°	252.7	106.6	37.8	18.9	12.0	12.0	8.6	6.9	6.9	5.2	5.2
82.5°	99.7	65.3	25.8	13.8	10.3	8.6	6.9	5.2	5.2	5.2	5.2
85°	27.5	18.9	10.3	6.9	5.2	5.2	5.2	3.4	3.4	3.4	3.4
87.5°	1.7	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7
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)