

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: P691901

Luminaire Tested: **CRTK2-C01H-D-U-T3-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691901
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-C01H-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: 7742 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 70.2
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



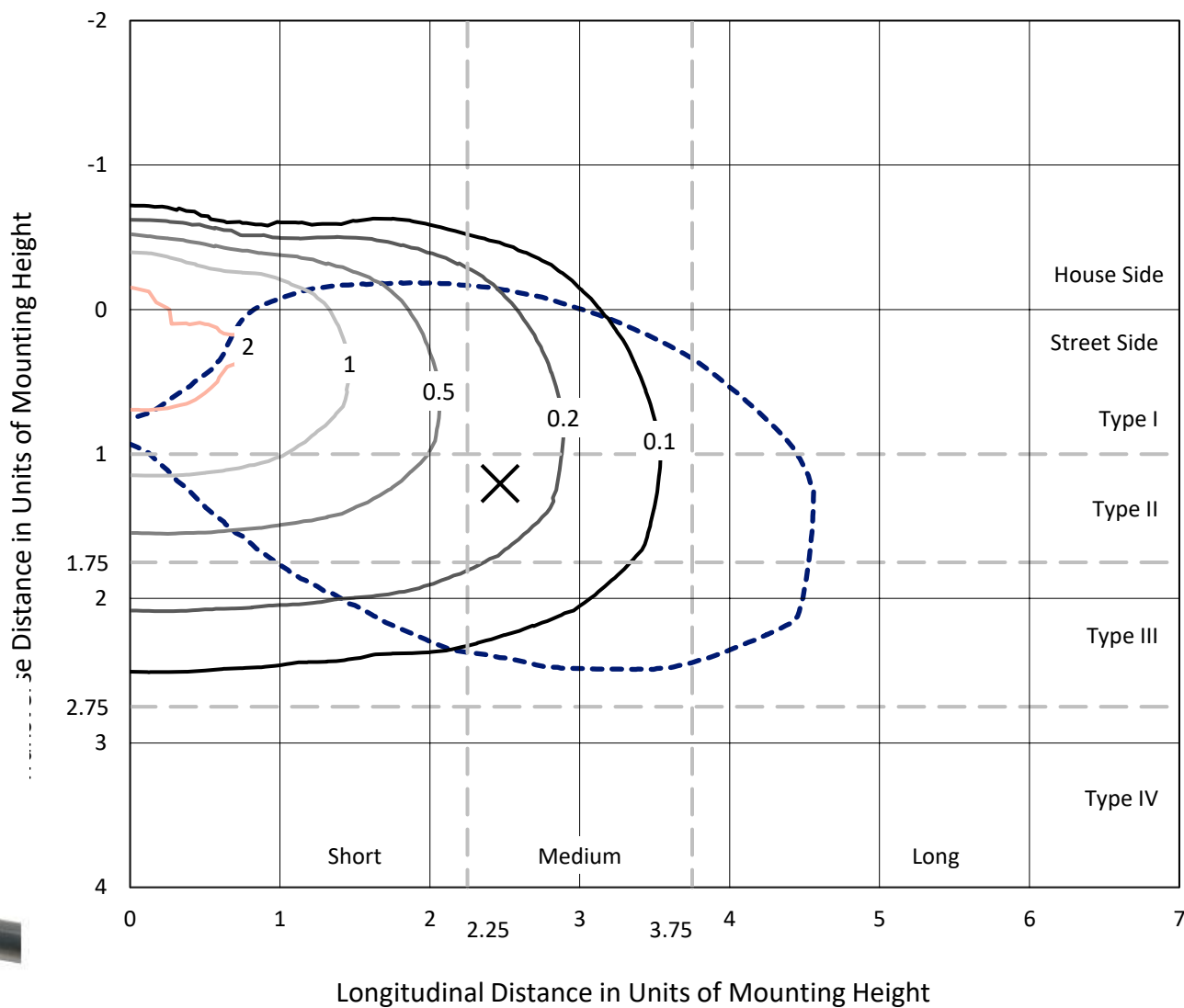
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

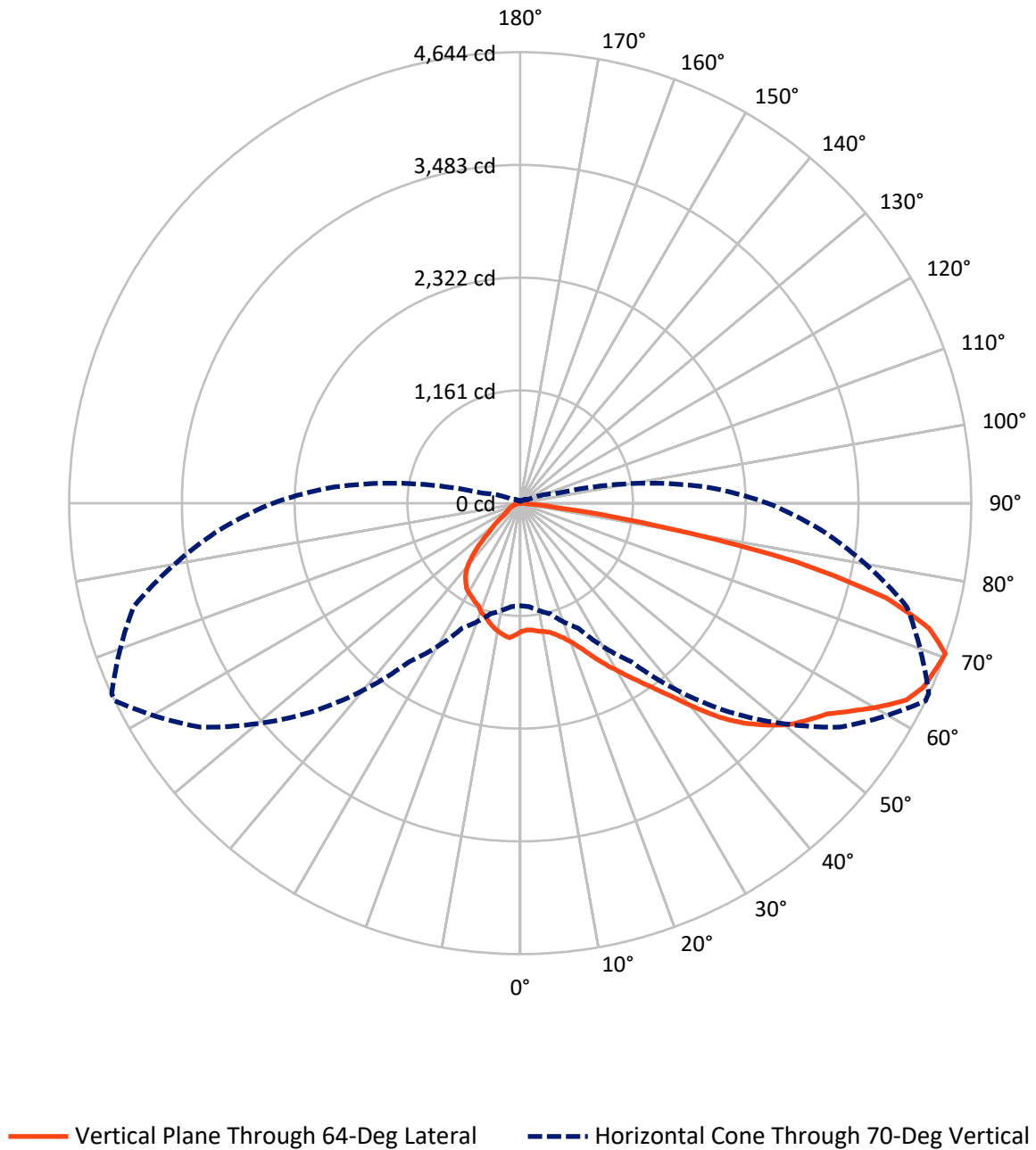


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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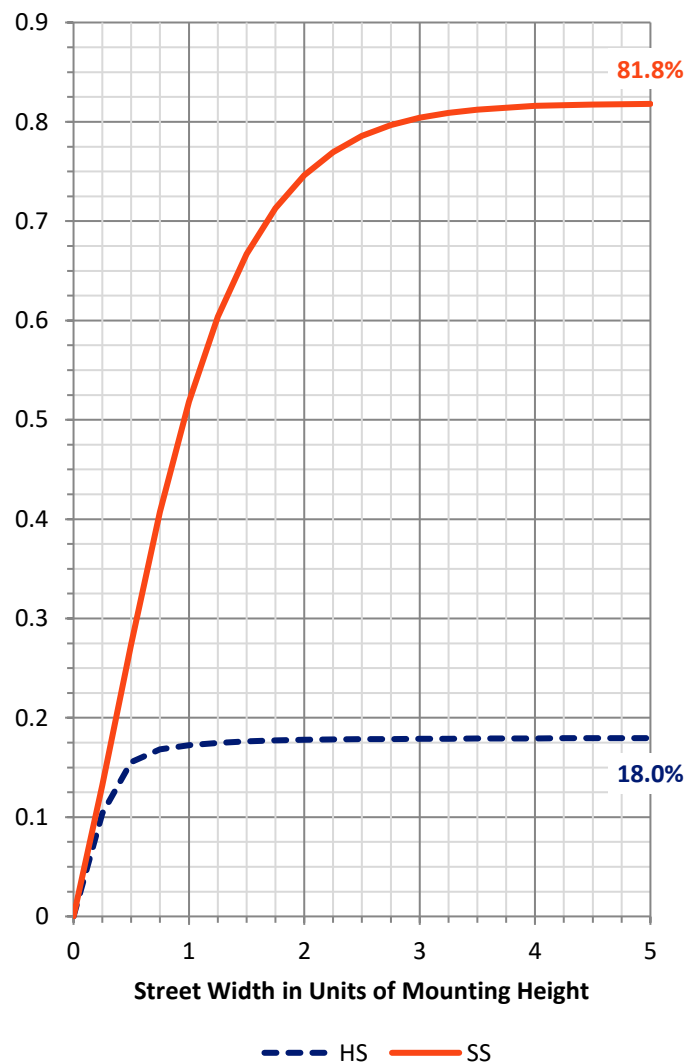
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1407.1	0.0	1407.1
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	6334.9	0.0	6334.9
	% Fixture	81.8	0.0	81.8
Total	Lumens	7742.0	0.0	7742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	1.7
10°-20°	381.1	4.9
20°-30°	642.1	8.3
30°-40°	945.0	12.2
40°-50°	1296.0	16.7
50°-60°	1576.9	20.4
60°-70°	1674.2	21.6
70°-80°	1026.3	13.3
80°-90°	71.6	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°	7742.0	100.0
0°-180°	7742.0	100.0

Coefficient of Utilization



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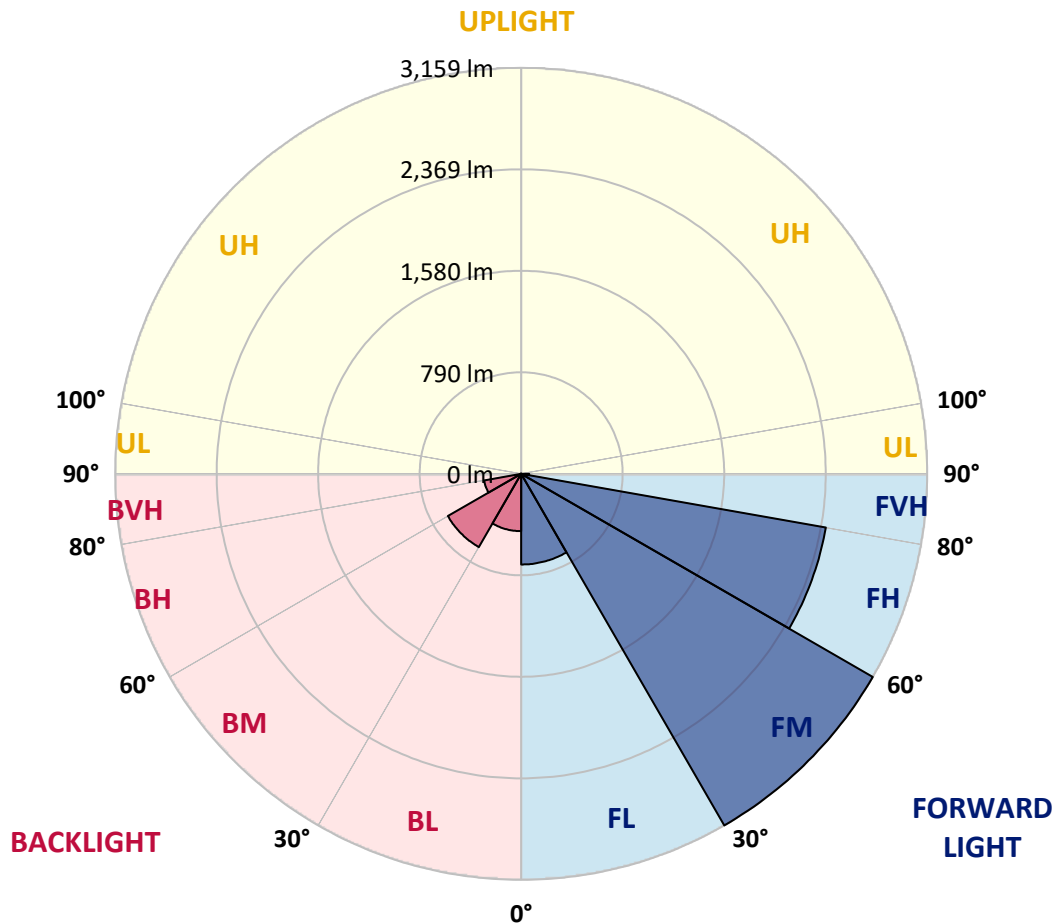
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	705.7	9.1			
FM	(30°-60°)	3159.3	40.8			
FH	(60°-80°)	2407.5	31.1			G2/5000
FVH	(80°-90°)	62.4	0.8			G1/100
BL	(0°-30°)	446.4	5.8	B1/500		
BM	(30°-60°)	658.6	8.5	B1/1000		
BH	(60°-80°)	292.9	3.8	B1/500		G1/500
BVH	(80°-90°)	9.2	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9
2.5°	1307.8	1307.8	1310.6	1307.8	1313.4	1304.9	1307.8	1307.8	1307.8	1310.6	1319.1
5°	1347.5	1347.5	1341.8	1333.3	1324.8	1313.4	1313.4	1313.4	1313.4	1319.1	1339.0
7.5°	1373.0	1370.2	1370.2	1370.2	1361.7	1339.0	1333.3	1330.5	1330.5	1330.5	1350.3
10°	1435.4	1426.9	1415.6	1398.5	1390.0	1370.2	1347.5	1344.6	1344.6	1347.5	1373.0
12.5°	1495.0	1486.5	1486.5	1475.1	1441.1	1418.4	1378.7	1364.5	1364.5	1370.2	1384.4
15°	1594.3	1585.8	1563.1	1543.2	1512.0	1472.3	1432.6	1407.1	1404.2	1415.6	1395.7
17.5°	1665.2	1651.0	1653.9	1622.6	1597.1	1540.4	1500.7	1461.0	1461.0	1472.3	1432.6
20°	1733.3	1733.3	1736.1	1733.3	1690.7	1645.3	1580.1	1531.9	1534.7	1537.5	1475.1
22.5°	1835.4	1832.6	1832.6	1835.4	1807.0	1756.0	1685.1	1631.2	1628.3	1605.6	1529.0
25°	1954.6	1948.9	1937.5	1948.9	1934.7	1875.1	1807.0	1753.1	1744.6	1713.4	1608.5
27.5°	2053.8	2053.8	2053.8	2059.5	2059.5	2017.0	1940.4	1883.6	1889.3	1846.8	1702.1
30°	2124.8	2124.8	2150.3	2161.6	2170.2	2156.0	2073.7	2014.1	2025.5	1974.4	1818.4
32.5°	2201.4	2198.5	2232.6	2258.1	2269.4	2275.1	2207.0	2158.8	2161.6	2116.3	1951.7
35°	2272.3	2266.6	2312.0	2365.9	2394.3	2388.6	2340.4	2323.3	2329.0	2314.8	2133.3
37.5°	2323.3	2331.8	2391.4	2462.3	2507.7	2519.1	2487.9	2519.1	2550.3	2570.1	2368.7
40°	2380.1	2380.1	2436.8	2513.4	2584.3	2626.9	2649.6	2763.0	2788.6	2802.8	2507.7
42.5°	2323.3	2343.2	2462.3	2573.0	2666.6	2731.8	2825.5	3015.5	3043.9	2955.9	2692.1
45°	2275.1	2292.1	2411.3	2598.5	2734.7	2862.3	3032.5	3231.1	3259.5	3109.1	2797.1
47.5°	2226.9	2246.7	2371.6	2578.7	2797.1	3007.0	3199.9	3415.5	3429.7	3242.5	2936.1
50°	2173.0	2192.8	2323.3	2553.1	2834.0	3163.0	3364.4	3585.7	3588.6	3358.8	3007.0
52.5°	2104.9	2130.4	2260.9	2516.2	2865.2	3268.0	3512.0	3710.5	3693.5	3500.6	3092.1
55°	2019.8	2048.2	2192.8	2468.0	2882.2	3336.1	3608.4	3832.5	3821.2	3665.1	3202.7
57.5°	1923.4	1954.6	2104.9	2394.3	2876.5	3370.1	3707.7	4033.9	4039.6	3801.3	3285.0
60°	1812.7	1841.1	1982.9	2297.8	2802.8	3432.5	3920.5	4255.2	4275.1	3951.7	3319.1
62.5°	1668.0	1693.6	1829.7	2156.0	2709.1	3477.9	4082.2	4465.1	4456.6	4053.8	3330.4
65°	1486.5	1514.9	1642.5	1968.7	2561.6	3449.5	4133.2	4564.4	4564.4	4127.5	3321.9
67.5°	1302.1	1327.6	1435.4	1730.4	2323.3	3307.7	4102.0	4604.1	4629.7	4175.8	3245.3
70°	1055.3	1069.5	1177.3	1421.2	1991.4	3041.0	4022.6	4643.8	4641.0	4121.9	3100.6
72.5°	774.4	791.5	879.4	1066.6	1540.4	2632.6	3772.9	4402.7	4357.3	3832.5	2819.8
75°	400.0	417.0	485.1	669.5	981.5	1858.1	3216.9	3889.3	3880.7	3392.8	2334.7
77.5°	53.9	53.9	62.4	110.6	226.9	740.4	2107.7	2913.4	2896.4	2587.2	1696.4
80°	36.9	36.9	42.6	51.1	65.2	161.7	743.2	1478.0	1503.5	1333.3	760.3
82.5°	28.4	25.5	31.2	36.9	39.7	73.8	226.9	408.5	414.2	371.6	232.6
85°	17.0	17.0	17.0	17.0	14.2	19.9	51.1	68.1	76.6	73.8	59.6
87.5°	8.5	8.5	8.5	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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°	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9	1321.9
2.5°	1321.9	1330.5	1341.8	1356.0	1370.2	1381.5	1392.9	1398.5	1404.2	1407.1	1409.9
5°	1344.6	1356.0	1370.2	1390.0	1390.0	1381.5	1375.8	1375.8	1381.5	1390.0	1392.9
7.5°	1367.3	1378.7	1373.0	1370.2	1373.0	1361.7	1347.5	1339.0	1333.3	1333.3	1339.0
10°	1375.8	1364.5	1358.8	1344.6	1316.3	1310.6	1299.3	1276.6	1270.9	1276.6	1256.7
12.5°	1370.2	1361.7	1333.3	1310.6	1282.2	1234.0	1205.6	1205.6	1191.5	1188.6	1191.5
15°	1384.4	1356.0	1321.9	1273.7	1222.7	1182.9	1137.6	1097.8	1086.5	1089.3	1089.3
17.5°	1395.7	1367.3	1299.3	1225.5	1180.1	1109.2	1058.1	1035.4	1015.6	1012.7	1012.7
20°	1421.2	1381.5	1285.1	1205.6	1092.2	1038.3	981.5	953.2	922.0	879.4	865.2
22.5°	1461.0	1407.1	1276.6	1151.7	1052.5	967.3	885.1	800.0	748.9	714.9	723.4
25°	1514.9	1455.3	1285.1	1131.9	992.9	885.1	777.3	661.0	584.4	561.7	575.9
27.5°	1611.3	1509.2	1310.6	1103.5	950.3	788.6	626.9	524.8	453.9	431.2	439.7
30°	1699.2	1591.4	1313.4	1086.5	882.2	675.2	493.6	380.1	323.4	289.4	280.8
32.5°	1858.1	1679.4	1384.4	1063.8	811.3	550.3	363.1	252.5	201.4	181.6	175.9
35°	2014.1	1835.4	1404.2	1021.2	680.8	408.5	224.1	150.4	122.0	107.8	105.0
37.5°	2229.7	2025.5	1486.5	975.9	550.3	249.6	136.2	90.8	85.1	82.3	82.3
40°	2337.5	2124.8	1554.6	910.6	385.8	141.8	87.9	79.4	76.6	73.8	73.8
42.5°	2490.7	2238.2	1611.3	794.3	226.9	93.6	79.4	73.8	70.9	68.1	68.1
45°	2575.8	2297.8	1597.1	652.5	113.5	87.9	76.6	70.9	65.2	65.2	65.2
47.5°	2689.3	2385.7	1560.2	482.3	102.1	85.1	73.8	68.1	65.2	68.1	65.2
50°	2797.1	2470.9	1458.1	383.0	99.3	82.3	73.8	65.2	65.2	65.2	65.2
52.5°	2856.7	2550.3	1330.5	280.8	102.1	82.3	70.9	65.2	65.2	62.4	65.2
55°	2913.4	2561.6	1228.3	204.2	102.1	79.4	68.1	62.4	59.6	56.7	56.7
57.5°	2953.1	2536.1	1146.1	170.2	102.1	79.4	65.2	59.6	51.1	48.2	48.2
60°	2941.8	2473.7	1078.0	156.0	96.5	73.8	59.6	51.1	45.4	39.7	39.7
62.5°	2910.6	2436.8	953.2	136.2	87.9	68.1	53.9	42.6	36.9	34.0	34.0
65°	2882.2	2320.5	808.5	122.0	82.3	59.6	45.4	36.9	31.2	28.4	28.4
67.5°	2746.0	2167.3	601.4	105.0	73.8	53.9	39.7	34.0	28.4	25.5	22.7
70°	2544.6	1920.5	394.3	90.8	65.2	45.4	34.0	28.4	22.7	19.9	19.9
72.5°	2201.4	1585.8	204.2	73.8	53.9	39.7	31.2	25.5	19.9	17.0	17.0
75°	1787.2	1165.9	122.0	56.7	42.6	34.0	25.5	19.9	17.0	14.2	14.2
77.5°	1236.8	644.0	87.9	42.6	28.4	25.5	19.9	17.0	14.2	11.3	11.3
80°	417.0	175.9	62.4	31.2	19.9	19.9	14.2	11.3	11.3	8.5	8.5
82.5°	164.5	107.8	42.6	22.7	17.0	14.2	11.3	8.5	8.5	8.5	8.5
85°	45.4	31.2	17.0	11.3	8.5	8.5	8.5	5.7	5.7	5.7	5.7
87.5°	2.8	5.7	5.7	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8
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)