

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: P691793

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691793
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-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: 9125 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 74.9
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

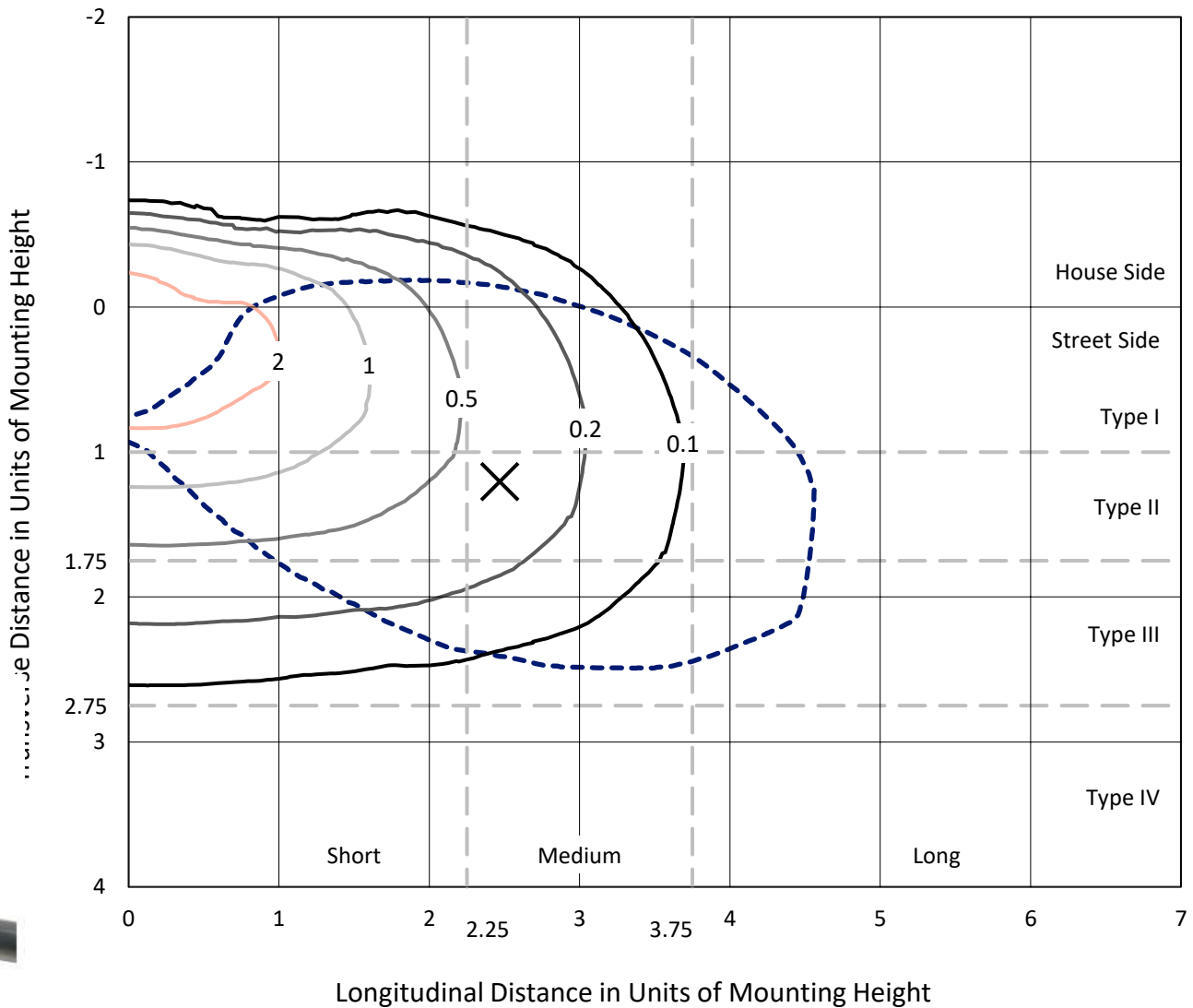


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

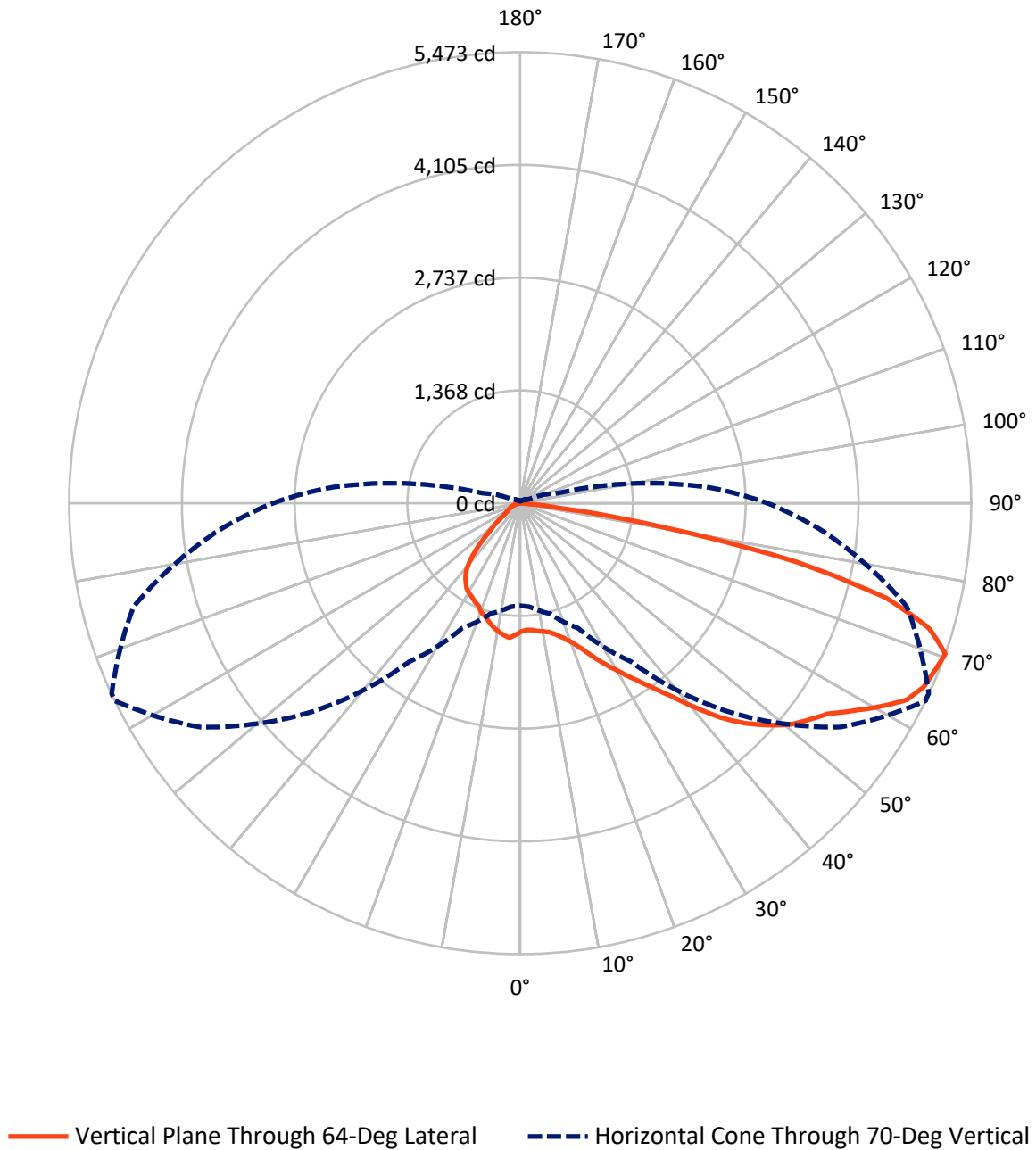


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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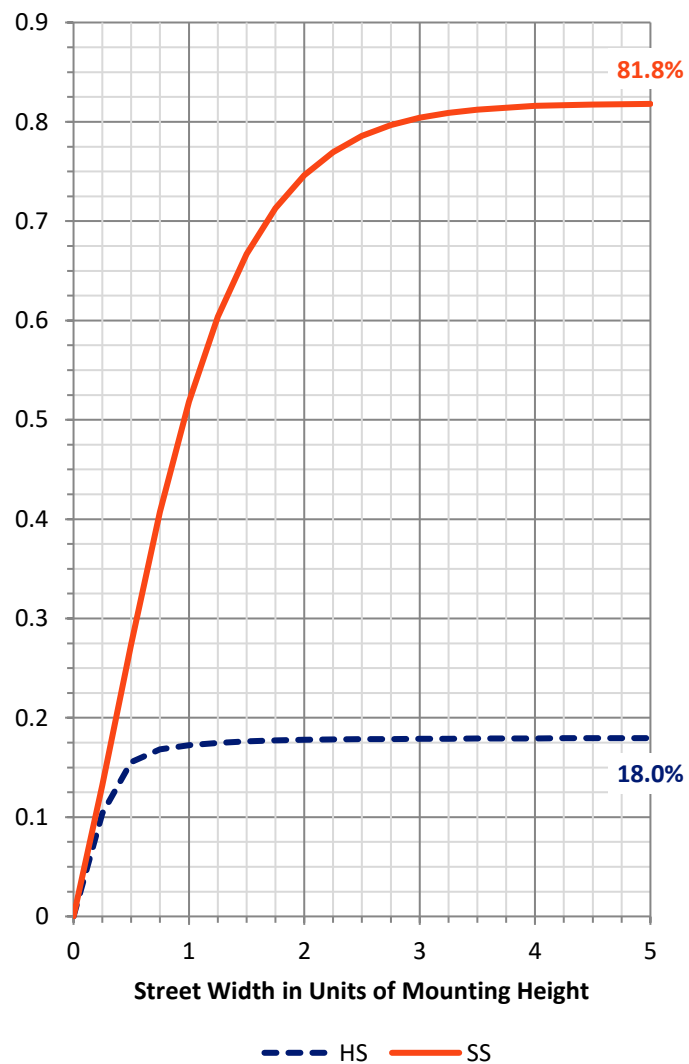
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1658.4	0.0	1658.4
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	7466.6	0.0	7466.6
	% Fixture	81.8	0.0	81.8
Total	Lumens	9125.0	0.0	9125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	1.7
10°-20°	449.2	4.9
20°-30°	756.8	8.3
30°-40°	1113.8	12.2
40°-50°	1527.5	16.7
50°-60°	1858.6	20.4
60°-70°	1973.2	21.6
70°-80°	1209.6	13.3
80°-90°	84.4	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°	9125.0	100.0
0°-180°	9125.0	100.0

Coefficient of Utilization



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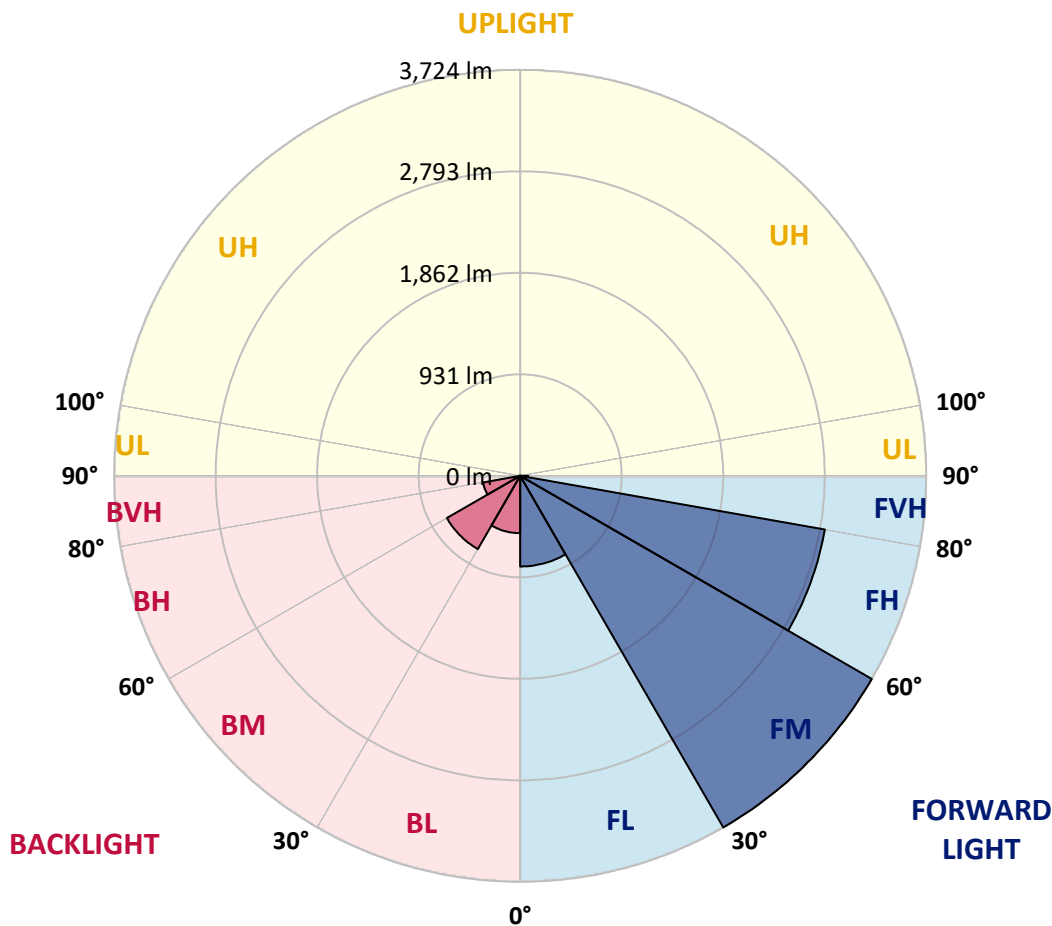
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	831.8	9.1			
FM	(30°-60°)	3723.6	40.8			
FH	(60°-80°)	2837.6	31.1			G2/5000
FVH	(80°-90°)	73.6	0.8			G1/100
BL	(0°-30°)	526.1	5.8	B2/1000		
BM	(30°-60°)	776.2	8.5	B1/1000		
BH	(60°-80°)	345.3	3.8	B1/500		G1/500
BVH	(80°-90°)	10.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1
2.5°	1541.4	1541.4	1544.7	1541.4	1548.1	1538.0	1541.4	1541.4	1541.4	1544.7	1554.8
5°	1588.2	1588.2	1581.5	1571.5	1561.4	1548.1	1548.1	1548.1	1548.1	1554.8	1578.2
7.5°	1618.3	1614.9	1614.9	1614.9	1604.9	1578.2	1571.5	1568.1	1568.1	1568.1	1591.5
10°	1691.8	1681.8	1668.4	1648.4	1638.3	1614.9	1588.2	1584.8	1584.8	1588.2	1618.3
12.5°	1762.1	1752.0	1752.0	1738.6	1698.5	1671.8	1625.0	1608.2	1608.2	1614.9	1631.7
15°	1879.1	1869.0	1842.3	1818.9	1782.1	1735.3	1688.5	1658.4	1655.1	1668.4	1645.0
17.5°	1962.7	1945.9	1949.3	1912.5	1882.4	1815.6	1768.7	1721.9	1721.9	1735.3	1688.5
20°	2042.9	2042.9	2046.3	2042.9	1992.8	1939.3	1862.4	1805.5	1808.9	1812.2	1738.6
22.5°	2163.3	2159.9	2159.9	2163.3	2129.8	2069.7	1986.1	1922.5	1919.2	1892.5	1802.2
25°	2303.7	2297.0	2283.6	2297.0	2280.3	2210.1	2129.8	2066.3	2056.3	2019.5	1895.8
27.5°	2420.7	2420.7	2420.7	2427.4	2427.4	2377.3	2287.0	2220.1	2226.8	2176.7	2006.1
30°	2504.3	2504.3	2534.4	2547.8	2557.8	2541.1	2444.1	2373.9	2387.3	2327.1	2143.2
32.5°	2594.6	2591.3	2631.4	2661.5	2674.8	2681.5	2601.3	2544.4	2547.8	2494.3	2300.4
35°	2678.2	2671.5	2725.0	2788.5	2822.0	2815.3	2758.4	2738.4	2745.1	2728.3	2514.4
37.5°	2738.4	2748.4	2818.6	2902.2	2955.7	2969.1	2932.3	2969.1	3005.9	3029.3	2791.9
40°	2805.2	2805.2	2872.1	2962.4	3046.0	3096.1	3122.9	3256.6	3286.7	3303.4	2955.7
42.5°	2738.4	2761.8	2902.2	3032.6	3142.9	3219.8	3330.2	3554.2	3587.6	3484.0	3173.0
45°	2681.5	2701.6	2842.0	3062.7	3223.2	3373.6	3574.3	3808.3	3841.7	3664.5	3296.7
47.5°	2624.7	2648.1	2795.2	3039.3	3296.7	3544.2	3771.5	4025.6	4042.4	3821.7	3460.6
50°	2561.2	2584.6	2738.4	3009.2	3340.2	3728.1	3965.5	4226.3	4229.6	3958.8	3544.2
52.5°	2480.9	2511.0	2664.8	2965.7	3377.0	3851.8	4139.3	4373.4	4353.3	4125.9	3644.5
55°	2380.6	2414.0	2584.6	2908.9	3397.1	3932.0	4253.0	4517.1	4503.8	4319.9	3774.9
57.5°	2266.9	2303.7	2480.9	2822.0	3390.4	3972.1	4370.0	4754.5	4761.2	4480.4	3871.8
60°	2136.5	2170.0	2337.1	2708.3	3303.4	4045.7	4620.8	5015.3	5038.7	4657.6	3912.0
62.5°	1966.0	1996.1	2156.6	2541.1	3193.1	4099.2	4811.4	5262.8	5252.7	4777.9	3925.3
65°	1752.0	1785.5	1935.9	2320.4	3019.2	4065.8	4871.6	5379.8	5379.8	4864.9	3915.3
67.5°	1534.7	1564.8	1691.8	2039.6	2738.4	3898.6	4834.8	5426.6	5456.7	4921.7	3825.0
70°	1243.8	1260.5	1387.6	1675.1	2347.2	3584.3	4741.2	5473.4	5470.1	4858.2	3654.5
72.5°	912.8	932.9	1036.5	1257.2	1815.6	3102.8	4446.9	5189.2	5135.7	4517.1	3323.5
75°	471.4	491.5	571.7	789.1	1156.9	2190.0	3791.6	4584.0	4574.0	3998.9	2751.7
77.5°	63.5	63.5	73.6	130.4	267.5	872.7	2484.3	3433.8	3413.8	3049.3	1999.4
80°	43.5	43.5	50.2	60.2	76.9	190.6	876.0	1742.0	1772.1	1571.5	896.1
82.5°	33.4	30.1	36.8	43.5	46.8	86.9	267.5	481.5	488.2	438.0	274.2
85°	20.1	20.1	20.1	20.1	16.7	23.4	60.2	80.2	90.3	86.9	70.2
87.5°	10.0	10.0	10.0	6.7	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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°	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1	1558.1
2.5°	1558.1	1568.1	1581.5	1598.2	1614.9	1628.3	1641.7	1648.4	1655.1	1658.4	1661.7
5°	1584.8	1598.2	1614.9	1638.3	1638.3	1628.3	1621.6	1621.6	1628.3	1638.3	1641.7
7.5°	1611.6	1625.0	1618.3	1614.9	1618.3	1604.9	1588.2	1578.2	1571.5	1571.5	1578.2
10°	1621.6	1608.2	1601.6	1584.8	1551.4	1544.7	1531.3	1504.6	1497.9	1504.6	1481.2
12.5°	1614.9	1604.9	1571.5	1544.7	1511.3	1454.4	1421.0	1421.0	1404.3	1400.9	1404.3
15°	1631.7	1598.2	1558.1	1501.3	1441.1	1394.3	1340.8	1294.0	1280.6	1283.9	1283.9
17.5°	1645.0	1611.6	1531.3	1444.4	1390.9	1307.3	1247.1	1220.4	1197.0	1193.6	1193.6
20°	1675.1	1628.3	1514.6	1421.0	1287.3	1223.7	1156.9	1123.4	1086.7	1036.5	1019.8
22.5°	1721.9	1658.4	1504.6	1357.5	1240.5	1140.2	1043.2	942.9	882.7	842.6	852.6
25°	1785.5	1715.2	1514.6	1334.1	1170.2	1043.2	916.1	779.0	688.8	662.0	678.7
27.5°	1899.1	1778.8	1544.7	1300.6	1120.1	929.5	738.9	618.6	535.0	508.2	518.3
30°	2002.8	1875.7	1548.1	1280.6	1039.8	795.8	581.8	448.0	381.2	341.0	331.0
32.5°	2190.0	1979.4	1631.7	1253.8	956.3	648.6	428.0	297.6	237.4	214.0	207.3
35°	2373.9	2163.3	1655.1	1203.7	802.5	481.5	264.1	177.2	143.8	127.1	123.7
37.5°	2628.0	2387.3	1752.0	1150.2	648.6	294.2	160.5	107.0	100.3	97.0	97.0
40°	2755.1	2504.3	1832.3	1073.3	454.7	167.2	103.7	93.6	90.3	86.9	86.9
42.5°	2935.6	2638.1	1899.1	936.2	267.5	110.3	93.6	86.9	83.6	80.2	80.2
45°	3035.9	2708.3	1882.4	769.0	133.7	103.7	90.3	83.6	76.9	76.9	76.9
47.5°	3169.7	2811.9	1839.0	568.4	120.4	100.3	86.9	80.2	76.9	80.2	76.9
50°	3296.7	2912.2	1718.6	451.4	117.0	97.0	86.9	76.9	76.9	76.9	76.9
52.5°	3367.0	3005.9	1568.1	331.0	120.4	97.0	83.6	76.9	76.9	73.6	76.9
55°	3433.8	3019.2	1447.8	240.7	120.4	93.6	80.2	73.6	70.2	66.9	66.9
57.5°	3480.6	2989.1	1350.8	200.6	120.4	93.6	76.9	70.2	60.2	56.8	56.8
60°	3467.3	2915.6	1270.6	183.9	113.7	86.9	70.2	60.2	53.5	46.8	46.8
62.5°	3430.5	2872.1	1123.4	160.5	103.7	80.2	63.5	50.2	43.5	40.1	40.1
65°	3397.1	2735.0	952.9	143.8	97.0	70.2	53.5	43.5	36.8	33.4	33.4
67.5°	3236.6	2554.5	708.8	123.7	86.9	63.5	46.8	40.1	33.4	30.1	26.7
70°	2999.2	2263.6	464.8	107.0	76.9	53.5	40.1	33.4	26.7	23.4	23.4
72.5°	2594.6	1869.0	240.7	86.9	63.5	46.8	36.8	30.1	23.4	20.1	20.1
75°	2106.4	1374.2	143.8	66.9	50.2	40.1	30.1	23.4	20.1	16.7	16.7
77.5°	1457.8	759.0	103.7	50.2	33.4	30.1	23.4	20.1	16.7	13.4	13.4
80°	491.5	207.3	73.6	36.8	23.4	23.4	16.7	13.4	13.4	10.0	10.0
82.5°	193.9	127.1	50.2	26.7	20.1	16.7	13.4	10.0	10.0	10.0	10.0
85°	53.5	36.8	20.1	13.4	10.0	10.0	10.0	6.7	6.7	6.7	6.7
87.5°	3.3	6.7	6.7	6.7	6.7	6.7	3.3	3.3	3.3	3.3	3.3
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)