

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: P690949

Luminaire Tested: **CRTK2-C01-D-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6719 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 61
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

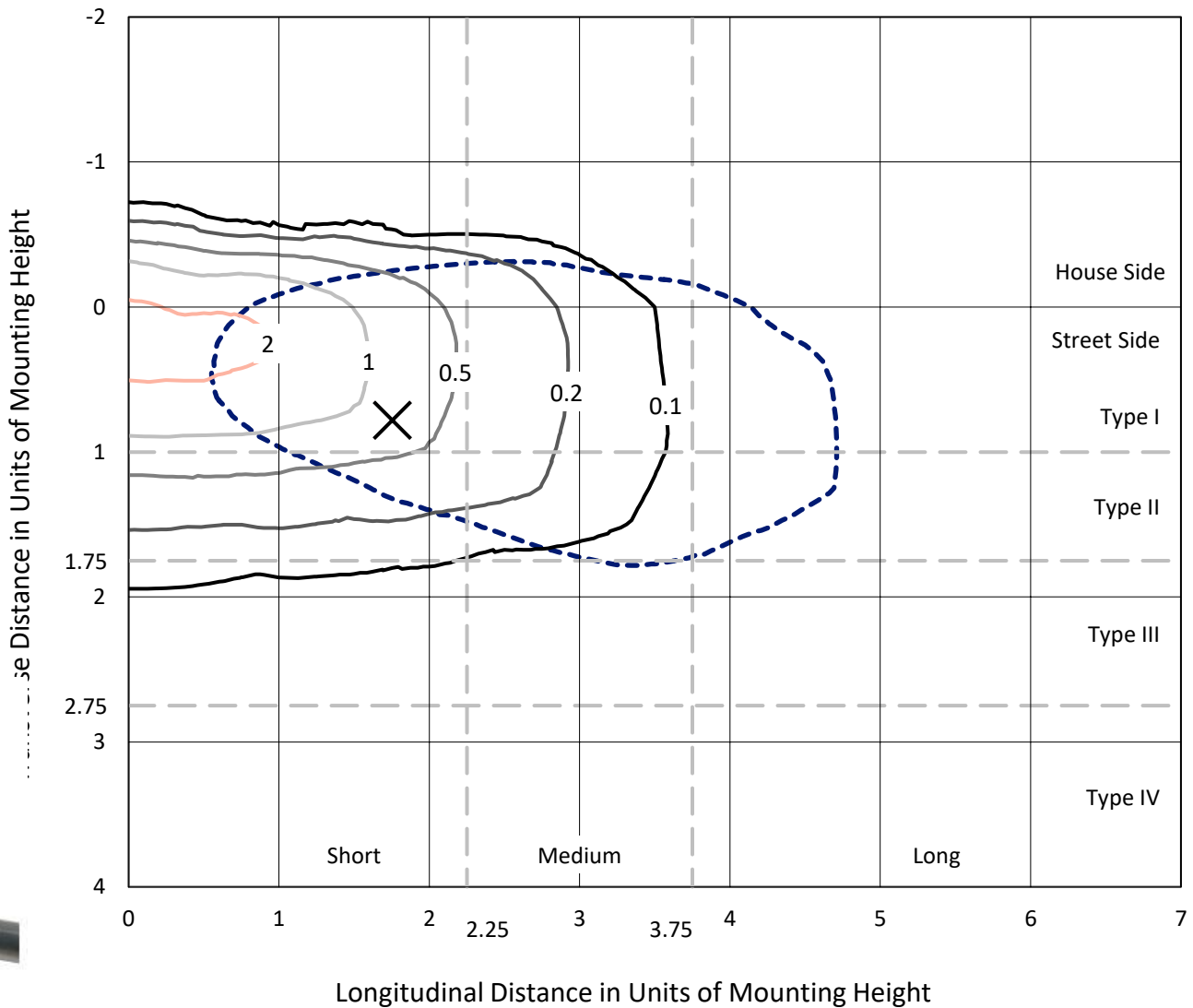


REPORT NUMBER: P690949

CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

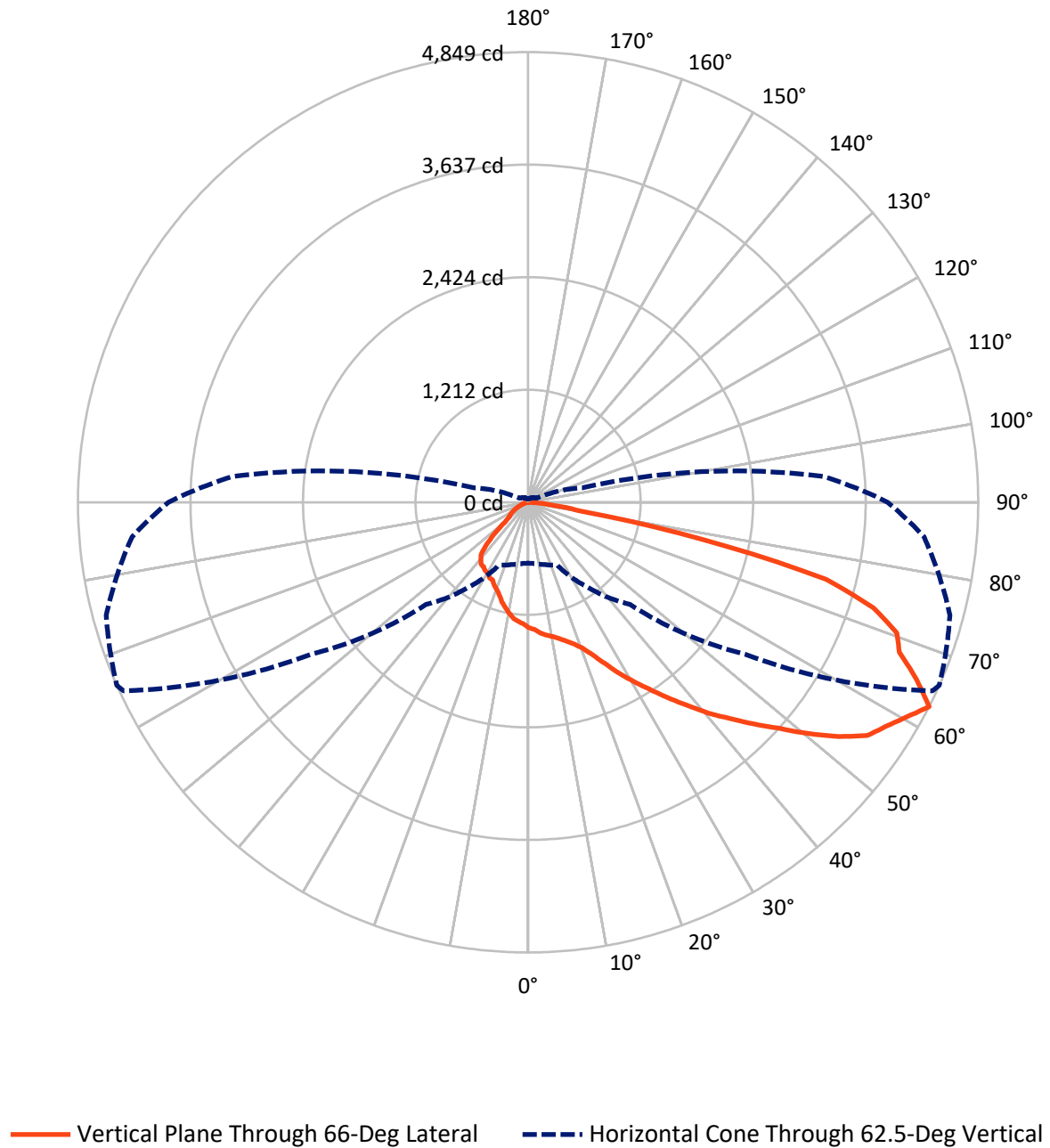


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

REPORT NUMBER: P690949

CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P690949

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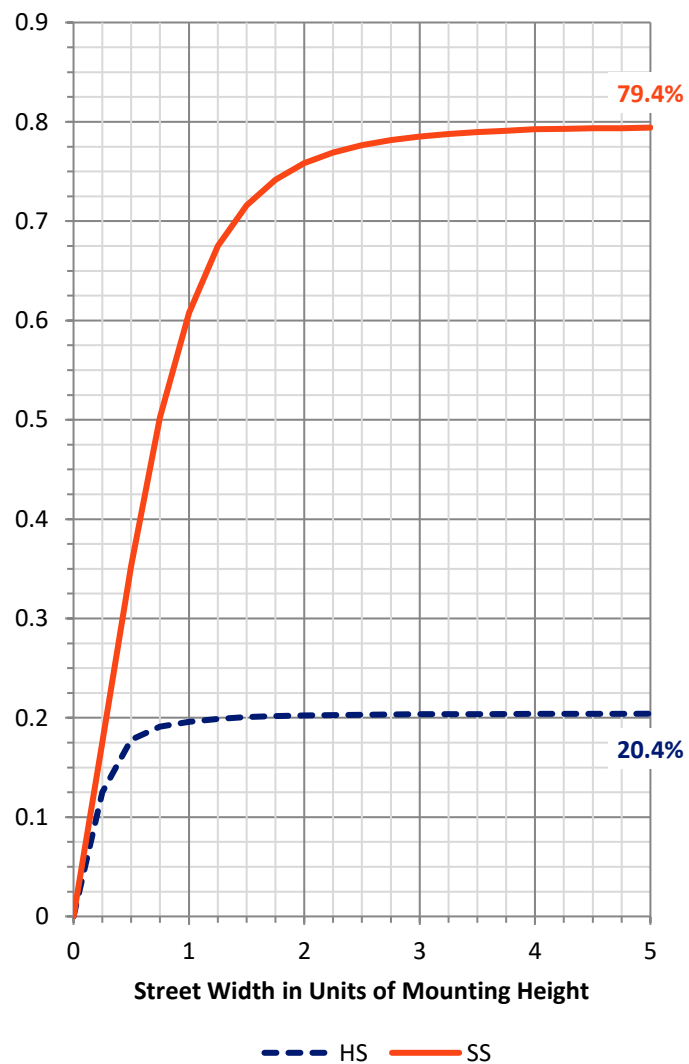
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1388.0	0.0	1388.0
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	5331.0	0.0	5331.0
	% Fixture	79.3	0.0	79.3
Total	Lumens	6719.0	0.0	6719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.7	1.9
10°-20°	363.7	5.4
20°-30°	596.7	8.9
30°-40°	878.0	13.1
40°-50°	1157.9	17.2
50°-60°	1347.9	20.1
60°-70°	1339.4	19.9
70°-80°	828.6	12.3
80°-90°	79.2	1.2
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°	6719.0	100.0
0°-180°	6719.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690949

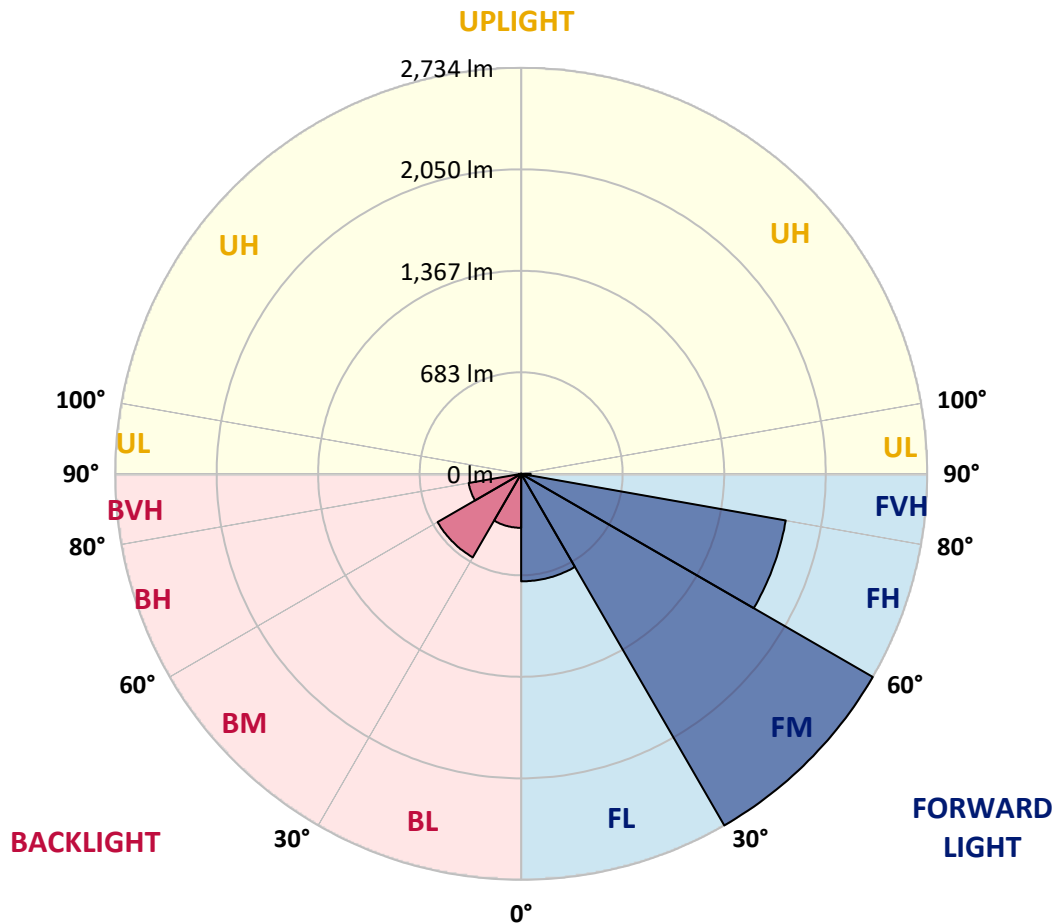
CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	724.0	10.8			
FM	(30°-60°)	2733.9	40.7			
FH	(60°-80°)	1809.1	26.9			G2/5000
FVH	(80°-90°)	64.0	1.0			G1/100
BL	(0°-30°)	364.0	5.4	B1/500		
BM	(30°-60°)	649.9	9.7	B1/1000		
BH	(60°-80°)	358.8	5.3	B1/500		G1/500
BVH	(80°-90°)	15.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



REPORT NUMBER: P690949

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1
2.5°	1428.1	1428.1	1425.5	1407.8	1400.2	1390.1	1382.5	1374.9	1372.4	1364.8	1352.1
5°	1511.6	1509.1	1509.1	1493.9	1478.7	1458.4	1438.2	1417.9	1415.4	1395.1	1367.3
7.5°	1559.7	1559.7	1554.7	1544.5	1534.4	1521.7	1491.4	1448.3	1445.8	1417.9	1379.9
10°	1572.4	1574.9	1585.0	1559.7	1552.1	1539.5	1524.3	1478.7	1471.1	1430.6	1369.8
12.5°	1618.0	1618.0	1615.4	1592.6	1585.0	1574.9	1549.6	1514.1	1506.6	1455.9	1372.4
15°	1673.7	1676.2	1668.6	1648.3	1638.2	1625.6	1592.6	1554.7	1552.1	1486.3	1392.6
17.5°	1701.5	1701.5	1706.6	1678.7	1681.3	1676.2	1661.0	1607.8	1605.3	1544.5	1428.1
20°	1711.6	1714.2	1716.7	1716.7	1719.2	1714.2	1729.4	1683.8	1676.2	1607.8	1476.2
22.5°	1757.2	1762.3	1774.9	1767.3	1780.0	1787.6	1792.7	1795.2	1785.1	1714.2	1557.2
25°	1777.5	1790.1	1807.9	1835.7	1856.0	1871.2	1909.1	1926.9	1924.3	1863.6	1691.4
27.5°	1747.1	1762.3	1823.1	1871.2	1942.1	1982.6	2053.5	2076.3	2083.9	2028.1	1835.7
30°	1787.6	1792.7	1820.5	1881.3	1969.9	2091.4	2187.7	2238.3	2238.3	2195.3	1977.5
32.5°	1724.3	1739.5	1820.5	1931.9	2068.7	2200.3	2291.5	2400.4	2400.4	2380.1	2180.1
35°	1716.7	1724.3	1772.4	1896.5	2071.2	2311.7	2433.3	2562.4	2580.1	2582.7	2380.1
37.5°	1645.8	1661.0	1747.1	1906.6	2147.2	2380.1	2549.7	2749.8	2770.0	2797.9	2547.2
40°	1567.3	1572.4	1648.3	1815.5	2129.4	2468.7	2661.1	2959.9	2982.7	3020.7	2770.0
42.5°	1450.8	1471.1	1597.7	1780.0	2121.8	2496.6	2785.2	3157.4	3182.7	3235.9	2954.9
45°	1347.0	1354.6	1448.3	1650.9	2038.3	2537.1	2881.4	3390.4	3405.6	3438.5	3109.3
47.5°	1263.5	1268.5	1362.2	1536.9	1959.8	2527.0	2975.1	3600.5	3636.0	3686.6	3291.6
50°	1012.8	1040.7	1273.6	1443.2	1823.1	2509.2	3048.5	3863.9	3917.0	3937.3	3501.8
52.5°	863.4	868.5	990.0	1349.6	1681.3	2433.3	3119.4	4132.3	4193.0	4137.3	3755.0
55°	800.1	805.2	860.9	1162.2	1562.3	2286.4	3172.6	4390.5	4433.6	4296.8	3944.9
57.5°	759.6	769.7	795.1	944.4	1420.5	2040.8	3182.7	4532.3	4550.0	4423.4	4041.1
60°	703.9	703.9	754.5	825.4	1266.0	1777.5	3099.2	4603.2	4689.3	4567.8	4218.3
62.5°	655.8	660.9	693.8	746.9	1114.1	1554.7	2853.6	4805.8	4848.8	4704.5	4281.6
65°	600.1	605.2	635.5	688.7	1012.8	1430.6	2721.9	4724.7	4598.1	4669.0	4360.1
67.5°	536.8	539.3	569.7	617.8	850.8	1319.2	2405.4	4415.8	4312.0	4501.9	4142.4
70°	473.5	473.5	498.8	536.8	693.8	1157.1	1987.6	4134.8	4213.3	4223.4	3927.2
72.5°	395.0	397.5	422.8	455.8	557.0	967.2	1572.4	3853.7	3889.2	3755.0	3453.7
75°	283.6	293.7	321.6	354.5	440.6	767.2	1116.6	3132.1	3316.9	3555.0	2967.5
77.5°	43.0	43.0	53.2	81.0	144.3	384.9	516.5	1729.4	1919.3	2975.1	2592.8
80°	35.4	35.4	38.0	53.2	83.6	215.2	167.1	541.9	582.4	1367.3	1461.0
82.5°	17.7	17.7	27.9	38.0	50.6	63.3	70.9	260.8	301.3	465.9	582.4
85°	10.1	10.1	12.7	17.7	20.3	20.3	22.8	124.1	129.1	253.2	263.3
87.5°	2.5	2.5	5.1	5.1	5.1	2.5	2.5	2.5	2.5	2.5	2.5
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: P690949

CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1	1352.1
2.5°	1347.0	1339.4	1324.2	1311.6	1304.0	1288.8	1276.1	1266.0	1260.9	1273.6	1276.1
5°	1349.6	1331.8	1304.0	1286.3	1266.0	1240.7	1210.3	1192.6	1185.0	1187.5	1195.1
7.5°	1354.6	1329.3	1296.4	1258.4	1205.2	1154.6	1119.2	1098.9	1088.8	1101.4	1101.4
10°	1339.4	1311.6	1266.0	1207.8	1139.4	1088.8	1048.3	1012.8	1000.1	1005.2	1007.7
12.5°	1339.4	1301.5	1225.5	1154.6	1091.3	1007.7	947.0	914.1	901.4	903.9	909.0
15°	1347.0	1296.4	1190.0	1104.0	1010.3	921.7	868.5	828.0	815.3	802.6	807.7
17.5°	1372.4	1288.8	1172.3	1035.6	931.8	848.2	774.8	729.2	719.1	719.1	721.6
20°	1397.7	1298.9	1141.9	985.0	860.9	757.1	681.1	648.2	625.4	615.3	625.4
22.5°	1450.8	1334.4	1121.7	952.0	787.5	688.7	617.8	544.4	503.9	486.1	491.2
25°	1547.1	1397.7	1136.9	893.8	746.9	625.4	526.7	438.0	382.3	364.6	369.7
27.5°	1696.5	1501.5	1154.6	888.7	673.5	562.1	427.9	331.7	288.6	270.9	276.0
30°	1843.3	1643.3	1212.8	838.1	645.7	460.8	324.1	255.7	212.7	195.0	200.0
32.5°	1969.9	1780.0	1286.3	825.4	572.2	346.9	243.1	189.9	157.0	141.8	144.3
35°	2157.3	1896.5	1349.6	787.5	486.1	260.8	177.2	136.7	119.0	113.9	113.9
37.5°	2324.4	2033.2	1410.3	774.8	364.6	195.0	126.6	111.4	108.9	101.3	101.3
40°	2499.1	2177.5	1438.2	729.2	265.9	136.7	103.8	103.8	101.3	93.7	93.7
42.5°	2704.2	2324.4	1463.5	676.0	189.9	103.8	96.2	98.7	96.2	88.6	86.1
45°	2851.1	2415.5	1471.1	541.9	131.7	98.7	91.2	93.7	91.2	86.1	83.6
47.5°	2985.2	2547.2	1438.2	379.8	106.3	93.7	88.6	88.6	88.6	81.0	78.5
50°	3124.5	2656.1	1410.3	205.1	103.8	91.2	83.6	81.0	83.6	78.5	76.0
52.5°	3309.3	2739.6	1336.9	139.3	101.3	88.6	81.0	76.0	78.5	73.4	76.0
55°	3555.0	2959.9	1202.7	131.7	101.3	86.1	78.5	70.9	70.9	68.4	68.4
57.5°	3666.4	3043.5	987.5	126.6	98.7	86.1	73.4	65.8	60.8	58.2	55.7
60°	3803.1	3165.0	762.1	116.5	91.2	81.0	65.8	58.2	50.6	48.1	48.1
62.5°	3874.0	3192.9	602.6	103.8	83.6	70.9	58.2	48.1	40.5	35.4	35.4
65°	3914.5	3177.7	420.3	93.7	73.4	63.3	50.6	40.5	30.4	27.9	25.3
67.5°	3777.8	3086.5	245.6	81.0	63.3	55.7	43.0	32.9	25.3	22.8	20.3
70°	3504.3	2808.0	154.5	70.9	55.7	48.1	38.0	27.9	20.3	17.7	17.7
72.5°	3210.6	2263.6	106.3	55.7	43.0	38.0	27.9	22.8	17.7	12.7	12.7
75°	2889.0	1964.8	78.5	40.5	30.4	27.9	22.8	17.7	15.2	10.1	10.1
77.5°	2048.4	1301.5	63.3	30.4	20.3	17.7	15.2	12.7	10.1	10.1	7.6
80°	1210.3	635.5	48.1	20.3	15.2	12.7	10.1	10.1	7.6	7.6	7.6
82.5°	453.2	243.1	32.9	15.2	10.1	10.1	7.6	7.6	5.1	5.1	5.1
85°	164.6	60.8	15.2	7.6	7.6	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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)