

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: P691294

Luminaire Tested: **CRTK2-C015-D-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4138 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

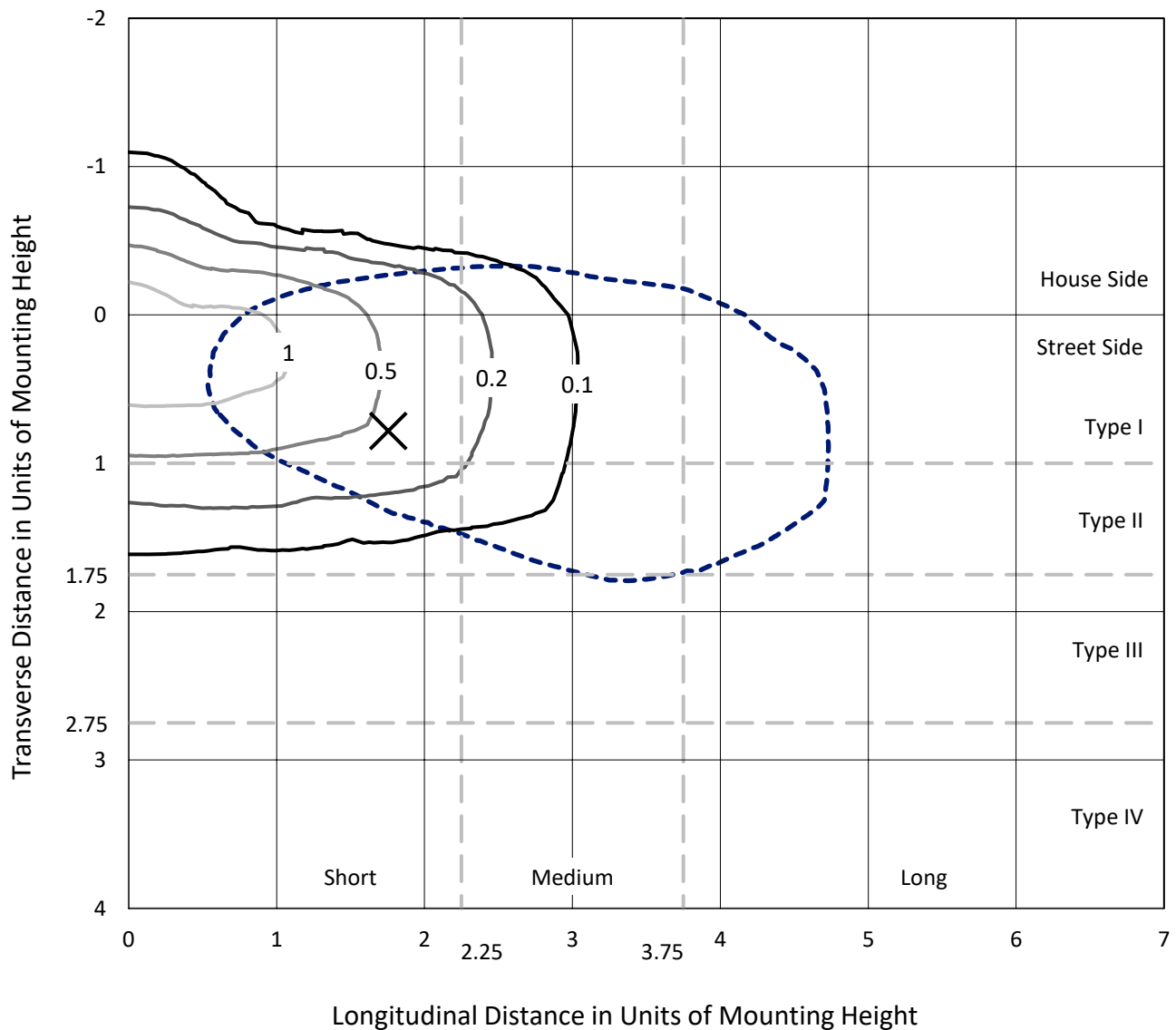
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

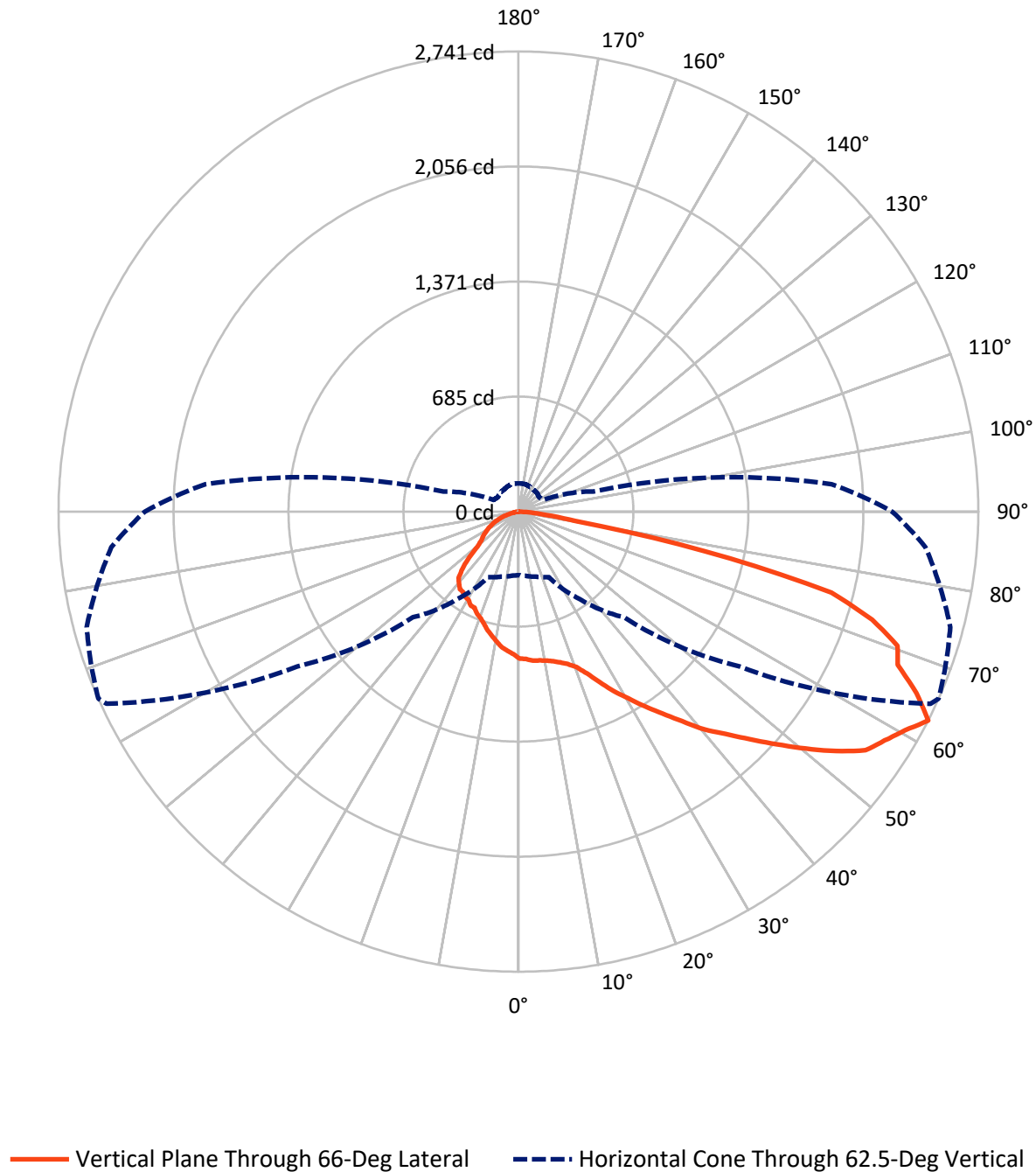
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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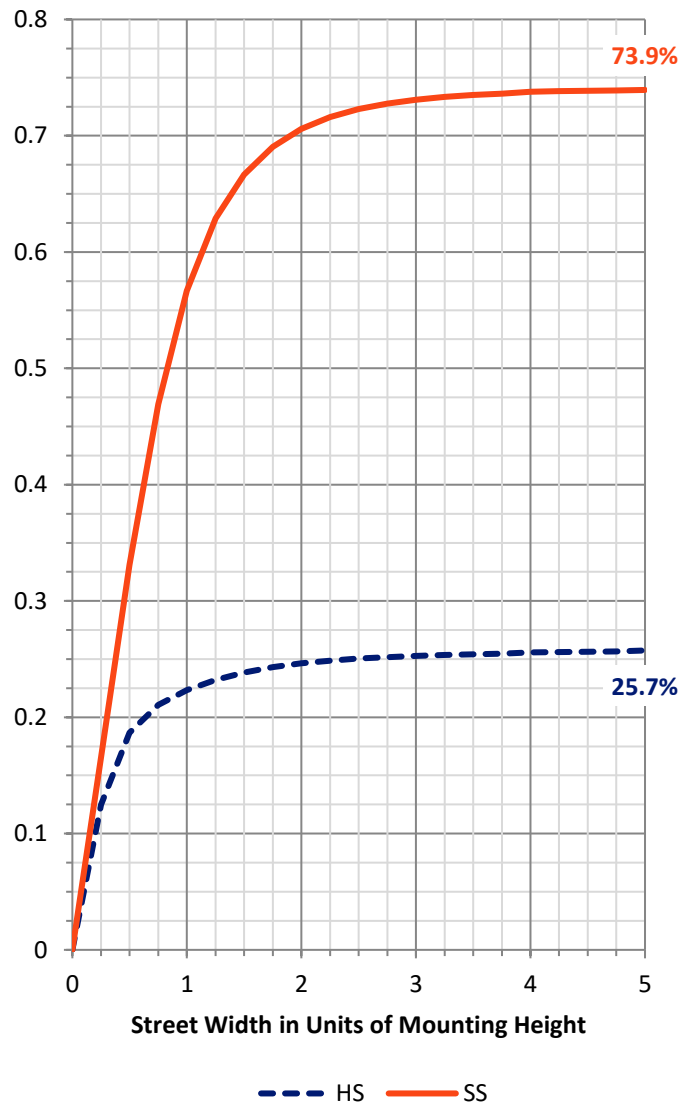
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1081.2	0.0	1081.2
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	3056.8	0.0	3056.8
	% Fixture	73.9	0.0	73.9
Total	Lumens	4138.0	0.0	4138.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	2.0
10°-20°	232.4	5.6
20°-30°	377.3	9.1
30°-40°	544.2	13.2
40°-50°	707.9	17.1
50°-60°	822.2	19.9
60°-70°	813.5	19.7
70°-80°	503.9	12.2
80°-90°	54.7	1.3
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°	4138.0	100.0
0°-180°	4138.0	100.0

Coefficient of Utilization



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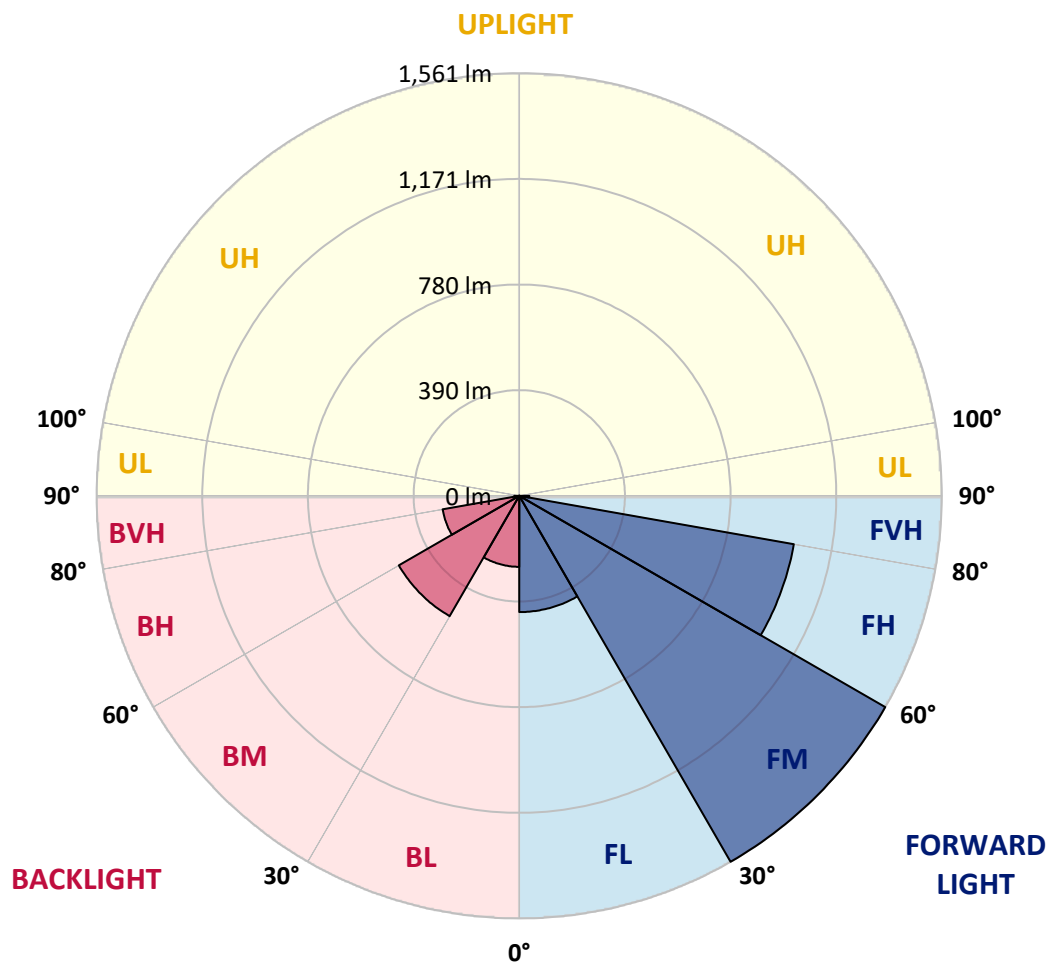
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	429.3	10.4			
FM	(30°-60°)	1560.9	37.7			
FH	(60°-80°)	1029.8	24.9			G1/1800
FVH	(80°-90°)	36.7	0.9			G1/100
BL	(0°-30°)	262.3	6.3	B1/500		
BM	(30°-60°)	513.4	12.4	B1/1000		
BH	(60°-80°)	287.5	6.9	B1/500		G1/500
BVH	(80°-90°)	18.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3
2.5°	906.6	906.6	909.4	899.5	893.8	889.5	885.3	881.0	879.6	875.3	869.6
5°	946.4	946.4	947.9	937.9	926.5	913.7	900.9	892.4	892.4	882.4	868.2
7.5°	967.8	967.8	967.8	956.4	949.3	940.8	920.8	896.6	895.2	885.3	865.3
10°	967.8	967.8	973.5	956.4	950.7	942.2	930.8	905.2	902.3	879.6	852.5
12.5°	984.9	987.7	984.9	966.4	960.7	953.6	937.9	916.6	915.1	885.3	846.8
15°	1009.1	1010.5	1006.2	993.4	987.7	976.3	957.8	935.1	932.2	896.6	851.1
17.5°	1014.8	1016.2	1019.0	1003.4	1003.4	999.1	989.1	962.1	955.0	923.7	863.9
20°	1011.9	1013.3	1017.6	1014.8	1016.2	1013.3	1020.5	997.7	989.1	955.0	883.8
22.5°	1024.7	1027.6	1036.1	1037.5	1043.2	1048.9	1051.8	1053.2	1047.5	1007.6	925.1
25°	1029.0	1037.5	1048.9	1064.6	1084.5	1095.9	1111.5	1127.2	1125.8	1085.9	993.4
27.5°	1009.1	1019.0	1054.6	1078.8	1122.9	1154.2	1189.8	1211.2	1211.2	1178.4	1071.7
30°	1027.6	1031.8	1050.3	1084.5	1135.7	1206.9	1262.4	1289.4	1292.3	1270.9	1148.5
32.5°	989.1	999.1	1044.7	1110.1	1188.4	1266.7	1322.2	1380.5	1383.4	1376.3	1261.0
35°	984.9	990.6	1016.2	1085.9	1187.0	1322.2	1396.2	1470.2	1477.3	1485.9	1370.6
37.5°	940.8	952.1	1002.0	1088.8	1226.8	1359.2	1458.8	1572.7	1584.1	1611.1	1464.5
40°	893.8	902.3	943.6	1037.5	1214.0	1406.2	1520.0	1693.6	1707.9	1730.7	1594.0
42.5°	829.7	846.8	918.0	1016.2	1208.3	1420.4	1588.3	1804.7	1810.4	1850.2	1696.5
45°	770.0	775.7	829.7	942.2	1158.5	1441.7	1639.6	1929.9	1934.2	1959.8	1781.9
47.5°	721.6	728.7	784.2	879.6	1113.0	1436.0	1690.8	2050.9	2070.8	2099.3	1885.8
50°	572.1	587.8	734.4	825.5	1034.7	1426.1	1732.1	2196.0	2218.8	2245.9	1996.8
52.5°	493.9	501.0	575.0	771.4	957.8	1383.4	1770.5	2344.1	2371.1	2356.9	2137.7
55°	459.7	464.0	498.1	664.6	889.5	1302.3	1799.0	2482.1	2510.6	2442.3	2248.7
57.5°	435.5	441.2	461.1	543.7	812.7	1159.9	1801.8	2563.2	2573.2	2513.4	2294.3
60°	402.8	407.0	435.5	475.4	723.0	1010.5	1750.6	2598.8	2645.8	2588.9	2396.7
62.5°	378.6	382.8	401.4	431.2	636.2	890.9	1608.3	2709.8	2741.1	2664.3	2435.2
65°	350.1	350.1	368.6	398.5	580.7	818.4	1534.2	2674.3	2605.9	2642.9	2482.1
67.5°	308.8	311.7	330.2	354.4	486.7	748.6	1352.1	2509.2	2438.0	2540.5	2358.3
70°	274.7	271.8	291.8	310.3	398.5	660.4	1120.1	2338.4	2396.7	2385.3	2244.4
72.5°	229.1	226.3	243.4	263.3	321.7	547.9	885.3	2170.4	2204.6	2133.4	1991.1
75°	177.9	160.8	185.0	210.6	253.3	434.1	627.6	1797.5	1925.6	2011.0	1697.9
77.5°	28.5	28.5	35.6	49.8	82.5	220.6	280.4	987.7	1132.9	1712.1	1488.7
80°	22.8	22.8	25.6	34.2	49.8	121.0	93.9	306.0	341.6	738.7	856.8
82.5°	12.8	12.8	18.5	22.8	31.3	37.0	41.3	149.4	166.5	261.9	331.6
85°	7.1	7.1	10.0	11.4	12.8	12.8	12.8	68.3	76.9	139.5	150.9
87.5°	4.3	4.3	4.3	4.3	4.3	2.8	1.4	1.4	1.4	1.4	1.4
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°	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3
2.5°	866.7	862.5	855.4	849.7	845.4	841.1	834.0	829.7	829.7	836.9	838.3
5°	859.6	849.7	836.9	831.2	824.1	816.9	805.5	799.9	798.4	802.7	805.5
7.5°	853.9	839.7	826.9	812.7	791.3	772.8	762.9	755.7	758.6	765.7	762.9
10°	836.9	824.1	804.1	782.8	757.2	741.5	725.8	717.3	718.7	723.0	718.7
12.5°	829.7	812.7	779.9	754.3	731.5	701.7	681.7	668.9	668.9	676.0	676.0
15°	829.7	804.1	760.0	728.7	693.1	663.2	640.5	629.1	636.2	631.9	629.1
17.5°	836.9	797.0	747.2	694.5	651.8	622.0	594.9	579.3	583.5	586.4	583.5
20°	845.4	797.0	731.5	667.5	617.7	575.0	545.1	528.0	526.6	528.0	530.9
22.5°	873.9	815.5	721.6	650.4	575.0	533.7	503.8	473.9	472.5	471.1	473.9
25°	922.3	849.7	728.7	619.1	550.8	489.6	452.6	427.0	418.4	417.0	419.9
27.5°	1002.0	909.4	740.1	614.8	506.7	451.2	405.6	377.2	368.6	371.5	370.0
30°	1088.8	986.3	772.8	584.9	481.1	394.2	351.5	327.3	318.8	313.1	314.5
32.5°	1152.8	1063.2	814.1	575.0	431.2	333.0	301.7	287.5	277.5	270.4	269.0
35°	1253.9	1128.6	851.1	552.2	387.1	293.2	267.6	251.9	246.2	241.9	241.9
37.5°	1350.6	1208.3	888.1	545.1	330.2	266.1	234.8	224.9	222.0	219.2	219.2
40°	1447.4	1289.4	909.4	516.6	284.6	233.4	203.5	202.1	206.4	203.5	204.9
42.5°	1567.0	1373.4	930.8	489.6	251.9	199.3	182.2	193.6	202.1	203.5	203.5
45°	1649.5	1430.3	939.3	424.1	217.8	173.6	177.9	190.7	200.7	204.9	203.5
47.5°	1725.0	1507.2	926.5	344.4	189.3	169.4	176.5	185.0	199.3	204.9	204.9
50°	1799.0	1571.2	915.1	254.8	179.3	170.8	176.5	180.8	196.4	202.1	202.1
52.5°	1902.9	1622.5	876.7	213.5	170.8	172.2	180.8	179.3	192.1	200.7	203.5
55°	2046.6	1742.0	802.7	202.1	169.4	170.8	180.8	180.8	189.3	196.4	200.7
57.5°	2110.7	1793.3	677.5	190.7	165.1	169.4	176.5	177.9	187.9	192.1	190.7
60°	2183.2	1857.3	555.1	177.9	158.0	166.5	169.4	175.1	182.2	182.2	180.8
62.5°	2227.4	1873.0	462.6	163.7	149.4	156.6	156.6	162.2	167.9	167.9	167.9
65°	2248.7	1857.3	345.8	150.9	139.5	145.2	143.7	146.6	150.9	143.7	143.7
67.5°	2164.7	1799.0	239.1	133.8	128.1	133.8	132.4	133.8	132.4	126.7	128.1
70°	2021.0	1635.3	165.1	113.9	112.4	122.4	123.8	121.0	112.4	108.2	108.2
72.5°	1840.2	1312.2	113.9	91.1	95.4	108.2	111.0	105.3	96.8	92.5	92.5
75°	1669.5	1134.3	81.1	62.6	64.0	82.5	88.2	88.2	85.4	113.9	121.0
77.5°	1161.4	734.4	47.0	32.7	31.3	47.0	54.1	55.5	106.7	115.3	112.4
80°	688.8	345.8	34.2	19.9	19.9	27.0	37.0	72.6	122.4	82.5	74.0
82.5°	263.3	132.4	21.3	12.8	11.4	14.2	21.3	112.4	71.2	47.0	42.7
85°	95.4	32.7	10.0	7.1	7.1	8.5	12.8	95.4	49.8	35.6	34.2
87.5°	1.4	1.4	2.8	2.8	2.8	1.4	1.4	2.8	2.8	2.8	1.4
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)