

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: INVUE

Report Number: P671249

Luminaire Tested: **CCP-SA-1D-740-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671249
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-740-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL2
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5519.4 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
Input Voltage (V): 120
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: 25 FT

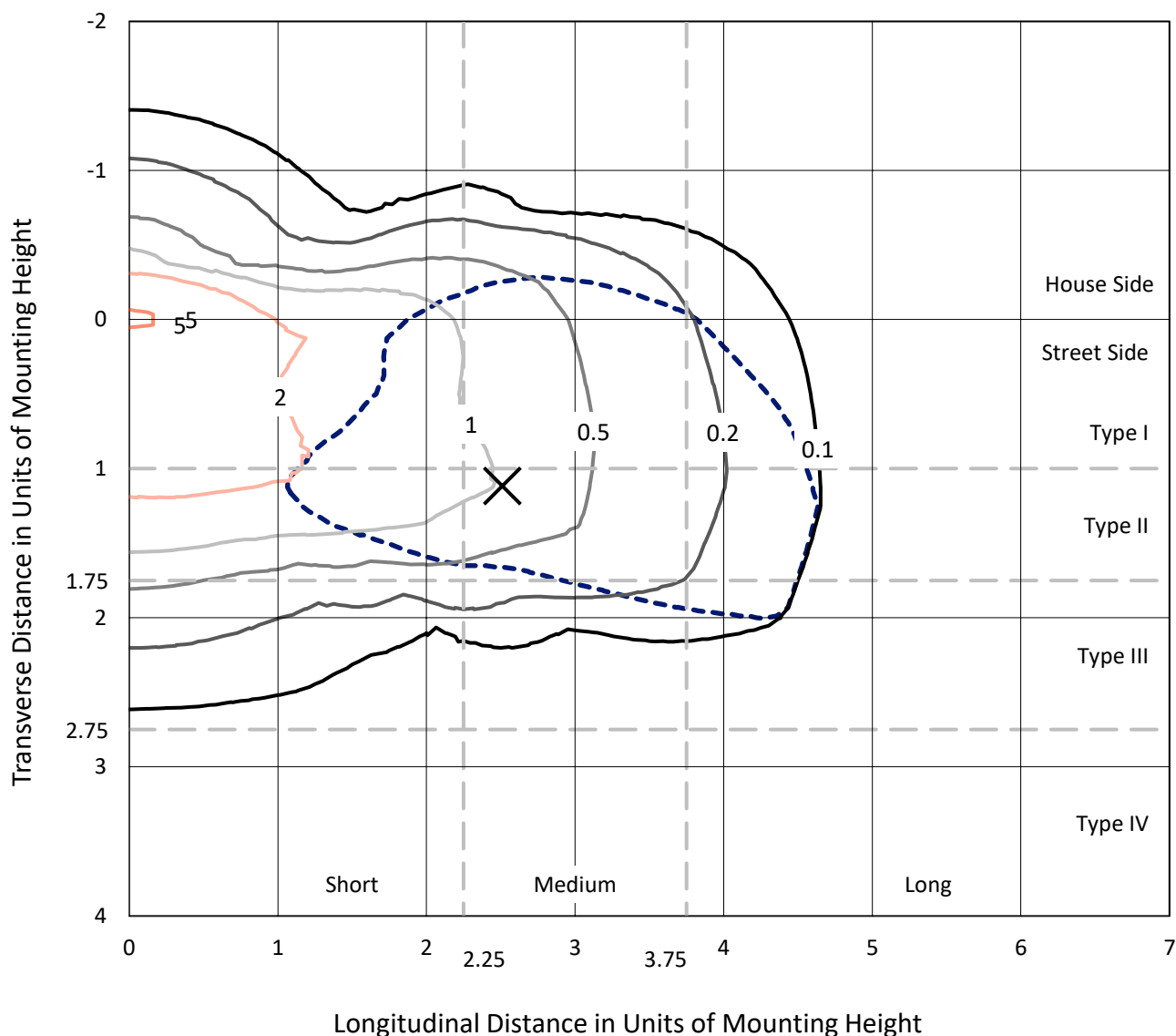
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

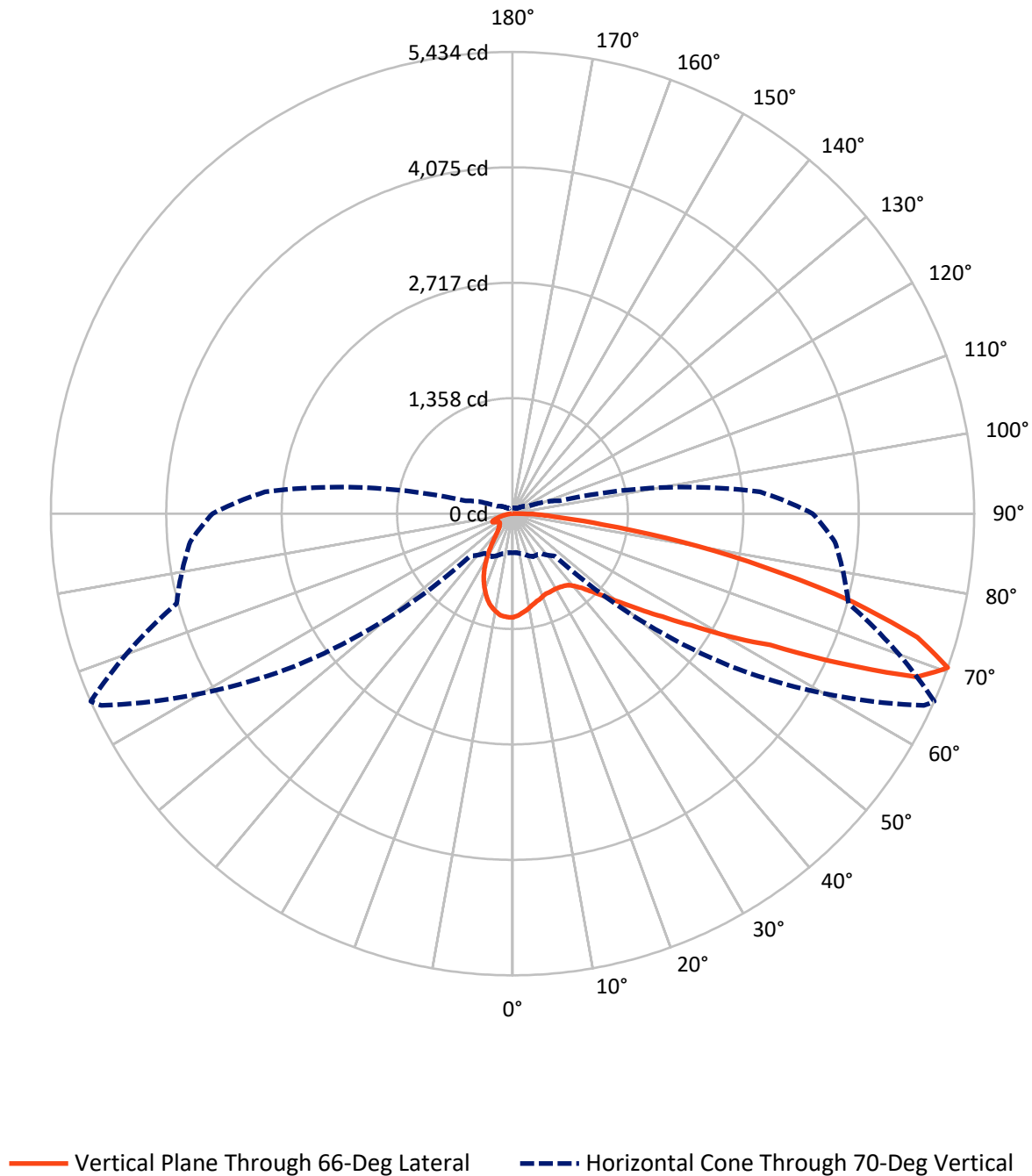


Based on 15 foot mounting height. Maximum calculated value = 5.4 fc

Type III - Medium - N/A

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Luminous Intensity Polar Plot



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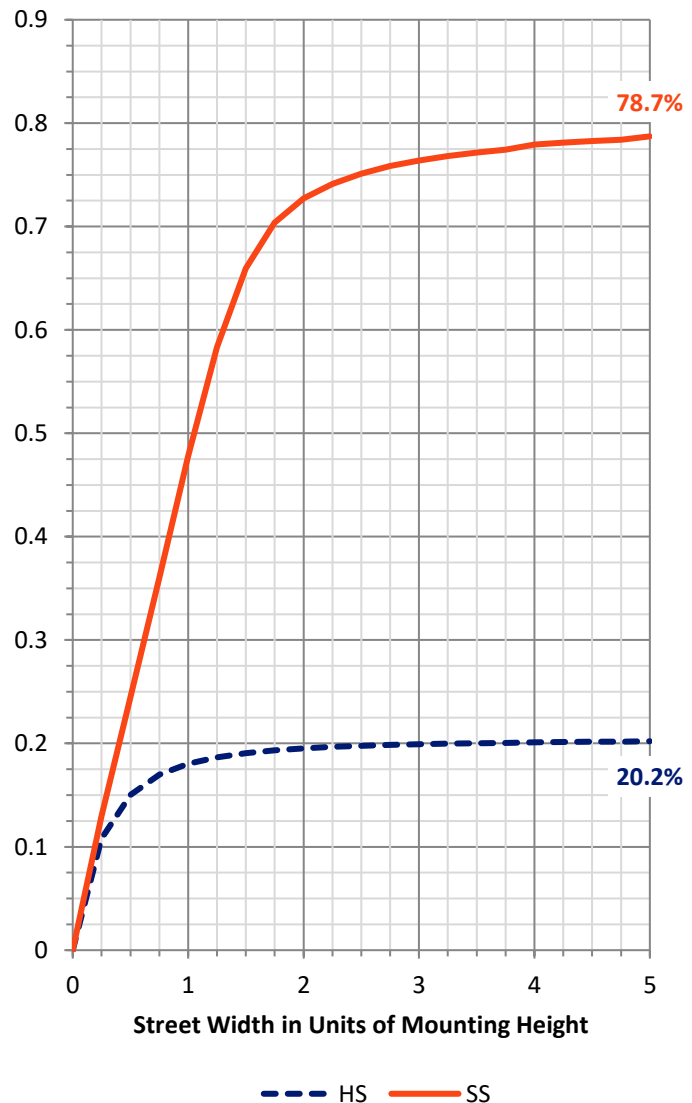
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1129.7	0.0	1129.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4389.6	0.0	4389.6
	% Fixture	79.5	0.0	79.5
Total	Lumens	5519.4	0.0	5519.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	2.0
10°-20°	265.4	4.8
20°-30°	364.5	6.6
30°-40°	488.7	8.9
40°-50°	709.1	12.8
50°-60°	1077.9	19.5
60°-70°	1331.2	24.1
70°-80°	990.0	17.9
80°-90°	184.6	3.3
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°	5519.4	100.0
0°-180°	5519.4	100.0

Coefficient of Utilization



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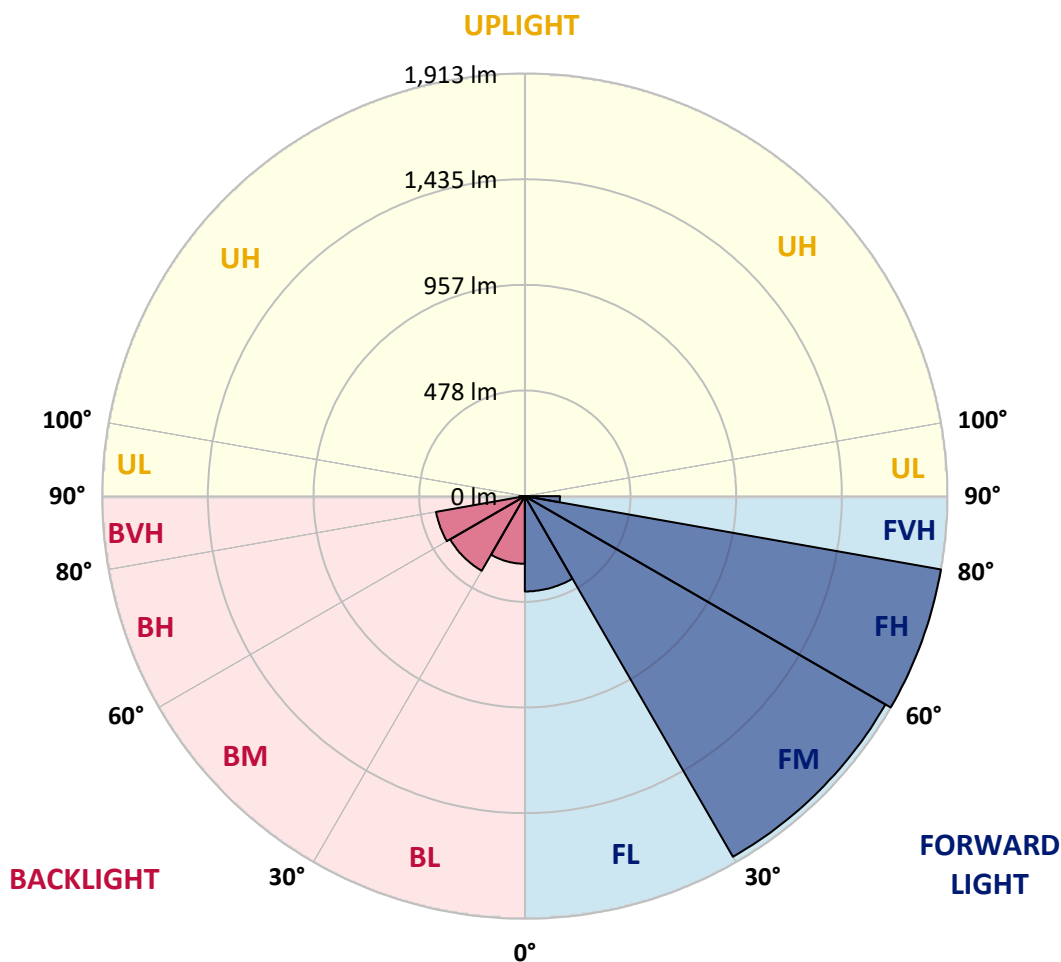
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	431.6	7.8			
FM	(30°-60°)	1885.5	34.2			
FH	(60°-80°)	1913.4	34.7			G2/5000
FVH	(80°-90°)	159.2	2.9			G2/225
BL	(0°-30°)	306.2	5.5	B1/500		
BM	(30°-60°)	390.2	7.1	B1/1000		
BH	(60°-80°)	407.8	7.4	B1/500		G1/500
BVH	(80°-90°)	25.5	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4
2.5°	1159.9	1166.0	1168.1	1172.2	1182.5	1190.7	1203.0	1209.1	1203.0	1211.2	1211.2
5°	1079.8	1071.6	1092.1	1100.3	1112.7	1129.1	1157.8	1180.4	1174.2	1198.9	1219.4
7.5°	1012.1	1012.1	1018.2	1036.7	1051.1	1075.7	1106.5	1141.4	1151.7	1184.5	1215.3
10°	950.5	958.7	958.7	987.4	995.6	1024.4	1075.7	1118.8	1120.9	1176.3	1219.4
12.5°	917.6	913.5	934.1	942.3	966.9	995.6	1036.7	1090.1	1092.1	1151.7	1211.2
15°	890.9	895.1	905.3	925.8	948.4	971.0	1010.0	1059.3	1069.5	1139.3	1207.1
17.5°	893.0	895.1	895.1	909.4	927.9	954.6	991.5	1049.0	1055.2	1122.9	1200.9
20°	905.3	897.1	903.3	909.4	921.7	946.4	977.2	1026.4	1032.6	1120.9	1215.3
22.5°	932.0	925.8	923.8	921.7	919.7	934.1	973.1	1014.1	1020.3	1110.6	1221.5
25°	975.1	973.1	958.7	944.3	934.1	934.1	964.8	1024.4	1022.3	1110.6	1225.6
27.5°	1026.4	1026.4	1024.4	997.7	966.9	950.5	971.0	1020.3	1018.2	1110.6	1235.8
30°	1096.2	1096.2	1090.1	1065.4	1010.0	962.8	975.1	1016.2	1022.3	1102.4	1227.6
32.5°	1172.2	1170.1	1176.3	1153.7	1096.2	1020.3	999.7	1024.4	1030.5	1110.6	1229.7
35°	1227.6	1239.9	1260.5	1239.9	1182.5	1079.8	1034.6	1040.8	1044.9	1112.7	1237.9
37.5°	1291.3	1305.6	1334.4	1350.8	1289.2	1170.1	1090.1	1067.5	1067.5	1139.3	1239.9
40°	1383.6	1369.3	1418.5	1447.3	1422.6	1281.0	1176.3	1116.8	1118.8	1174.2	1266.6
42.5°	1451.4	1465.7	1517.1	1568.4	1537.6	1416.5	1270.7	1196.8	1196.8	1225.6	1307.7
45°	1527.3	1543.8	1615.6	1677.2	1699.8	1578.7	1400.1	1311.8	1307.7	1326.2	1381.6
47.5°	1611.5	1634.1	1716.2	1788.0	1847.6	1747.0	1566.3	1451.4	1449.3	1463.7	1504.8
50°	1708.0	1716.2	1783.9	1915.3	2034.4	1970.8	1769.6	1648.5	1638.2	1644.3	1699.8
52.5°	1736.7	1730.6	1808.6	1950.2	2167.8	2243.8	2046.7	1872.2	1868.1	1853.7	1925.6
55°	1632.0	1652.6	1728.5	1909.2	2276.6	2566.1	2350.5	2178.1	2141.1	2102.1	2188.4
57.5°	1422.6	1424.7	1510.9	1724.4	2192.5	2833.0	2865.8	2477.8	2479.9	2375.2	2473.7
60°	1106.5	1100.3	1168.1	1361.1	1952.3	2915.1	3428.3	2956.1	2935.6	2648.2	2738.5
62.5°	798.6	786.2	800.6	913.5	1459.6	2789.8	3980.5	3491.9	3405.7	2927.4	2997.2
65°	656.9	663.1	669.2	675.4	819.1	2301.3	4150.9	4366.5	4251.5	3253.8	3282.5
67.5°	544.0	548.1	574.8	611.8	607.6	1359.0	3953.8	5175.3	5132.2	3658.2	3528.9
70°	461.9	459.8	490.6	558.4	568.6	706.2	3130.6	5341.6	5433.9	4093.4	3808.1
72.5°	369.5	373.6	400.3	490.6	558.4	595.3	1802.4	4984.4	4982.3	4428.0	3658.2
75°	264.8	264.8	301.8	406.5	539.9	589.2	997.7	4046.2	4122.2	4161.2	3173.7
77.5°	174.5	182.7	211.4	303.8	507.1	576.9	632.3	2941.8	3036.2	3112.1	2428.5
80°	119.1	123.2	141.6	211.4	429.0	581.0	517.3	1979.0	2015.9	1718.3	985.4
82.5°	71.9	73.9	94.4	147.8	307.9	552.2	486.5	1092.1	1069.5	519.4	283.3
85°	39.0	41.1	59.5	98.5	203.2	482.4	478.3	535.8	498.8	190.9	119.1
87.5°	14.4	14.4	26.7	49.3	117.0	330.5	416.7	318.2	297.7	96.5	55.4
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°	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4	1219.4
2.5°	1221.5	1221.5	1221.5	1221.5	1219.4	1211.2	1217.4	1215.3	1203.0	1205.0	1196.8
5°	1217.4	1227.6	1221.5	1213.2	1203.0	1178.3	1170.1	1164.0	1147.6	1141.4	1147.6
7.5°	1227.6	1219.4	1215.3	1200.9	1159.9	1137.3	1108.5	1073.7	1049.0	1042.9	1049.0
10°	1225.6	1225.6	1207.1	1166.0	1127.0	1061.3	1024.4	962.8	927.9	917.6	919.7
12.5°	1217.4	1223.5	1194.8	1129.1	1055.2	975.1	907.4	841.7	780.1	755.5	751.4
15°	1225.6	1219.4	1168.1	1083.9	981.3	870.4	771.9	675.4	617.9	581.0	572.8
17.5°	1213.2	1207.1	1133.2	1022.3	884.8	743.1	620.0	515.3	457.8	443.4	443.4
20°	1227.6	1188.6	1092.1	948.4	784.2	603.5	463.9	385.9	371.6	371.6	375.7
22.5°	1225.6	1184.5	1057.2	876.6	663.1	455.7	344.9	322.3	324.4	340.8	338.7
25°	1213.2	1176.3	1008.0	796.5	535.8	342.8	285.3	279.2	293.6	312.0	310.0
27.5°	1211.2	1153.7	962.8	702.1	408.5	271.0	248.4	248.4	262.8	279.2	277.1
30°	1198.9	1135.2	907.4	595.3	307.9	236.1	227.9	227.9	234.0	242.2	242.2
32.5°	1196.8	1110.6	845.8	484.5	246.3	213.5	209.4	211.4	211.4	215.6	213.5
35°	1180.4	1077.8	782.1	375.7	213.5	201.2	197.1	195.0	195.0	193.0	193.0
37.5°	1174.2	1057.2	716.5	291.5	199.1	190.9	186.8	180.7	178.6	178.6	176.5
40°	1180.4	1036.7	652.8	236.1	186.8	182.7	176.5	168.3	166.3	166.3	166.3
42.5°	1203.0	1034.6	587.1	205.3	180.7	174.5	166.3	158.1	156.0	158.1	156.0
45°	1254.3	1051.1	523.5	190.9	172.4	166.3	156.0	149.9	147.8	149.9	149.9
47.5°	1338.5	1096.2	466.0	182.7	166.3	158.1	147.8	141.6	141.6	141.6	141.6
50°	1478.1	1182.5	410.6	176.5	162.2	151.9	141.6	133.4	131.4	131.4	133.4
52.5°	1687.5	1330.3	365.4	172.4	156.0	143.7	133.4	127.3	123.2	121.1	123.2
55°	1940.0	1545.8	351.0	168.3	147.8	137.5	127.3	119.1	115.0	115.0	112.9
57.5°	2210.9	1783.9	375.7	164.2	141.6	129.3	119.1	110.9	106.7	104.7	104.7
60°	2504.5	2065.2	466.0	162.2	135.5	121.1	110.9	104.7	98.5	96.5	96.5
62.5°	2771.4	2319.7	628.2	160.1	131.4	112.9	102.6	94.4	90.3	88.3	88.3
65°	3075.2	2603.0	786.2	168.3	129.3	106.7	94.4	86.2	82.1	80.1	80.1
67.5°	3340.0	2849.4	878.6	188.9	135.5	98.5	84.2	78.0	76.0	73.9	73.9
70°	3533.0	2925.3	589.2	207.3	145.8	92.4	76.0	71.9	67.7	67.7	67.7
72.5°	3274.3	2611.2	349.0	195.0	137.5	86.2	67.7	63.6	61.6	61.6	59.5
75°	2800.1	2223.3	268.9	158.1	110.9	73.9	59.5	55.4	53.4	53.4	51.3
77.5°	2067.2	1593.0	199.1	125.2	86.2	59.5	51.3	49.3	47.2	45.2	45.2
80°	808.8	698.0	135.5	92.4	63.6	47.2	43.1	41.1	39.0	37.0	37.0
82.5°	250.5	211.4	78.0	61.6	45.2	37.0	34.9	32.8	30.8	28.7	28.7
85°	108.8	104.7	51.3	39.0	30.8	24.6	24.6	22.6	20.5	18.5	18.5
87.5°	53.4	51.3	28.7	18.5	16.4	12.3	12.3	10.3	8.2	8.2	8.2
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)