

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: LUMARK

Report Number: P510939

Luminaire Tested: **PRV-P-C15-D-UNV-T2-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C15-D-UNV-T2-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 880mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6294 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

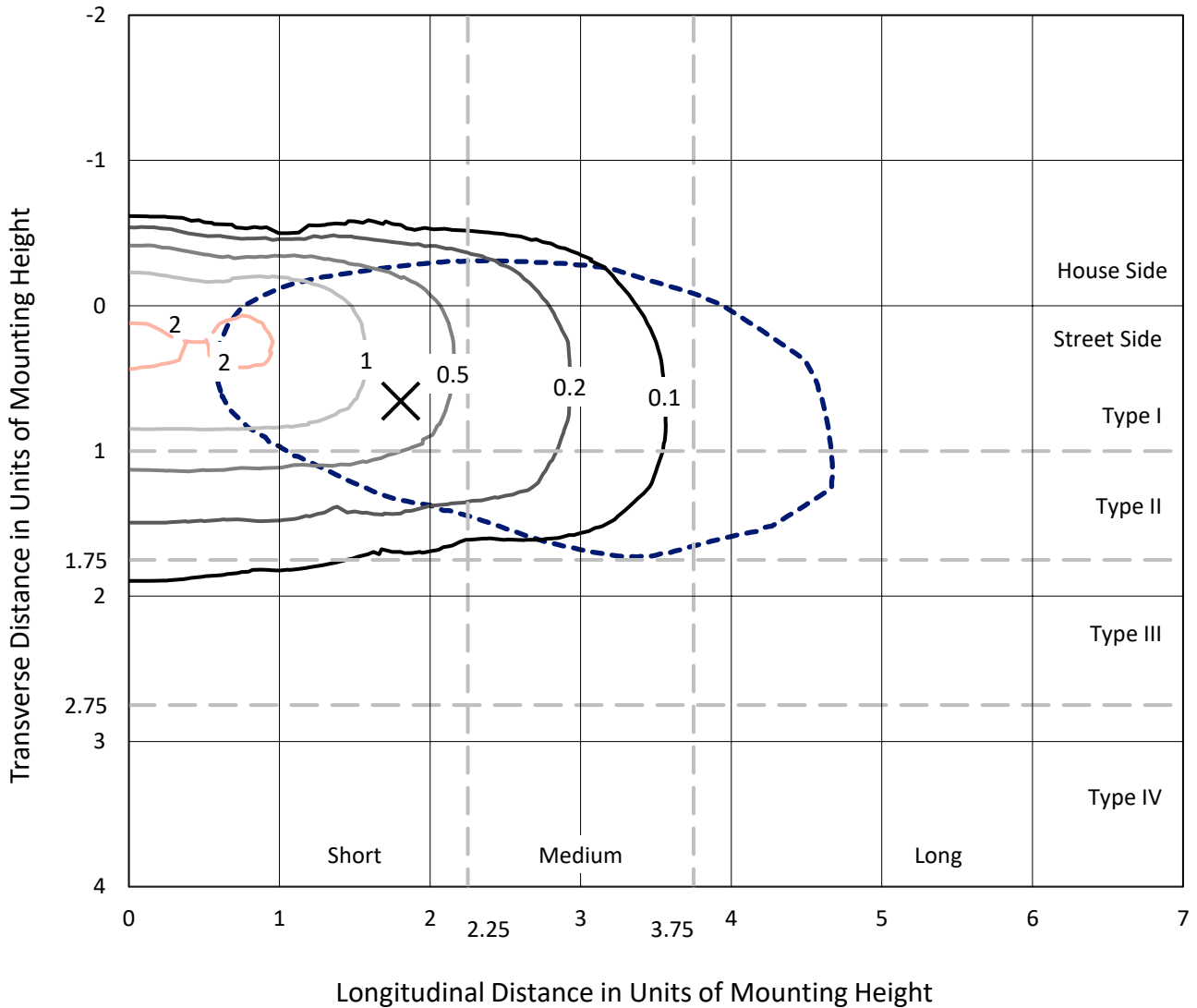
Input Watts (W): 49.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

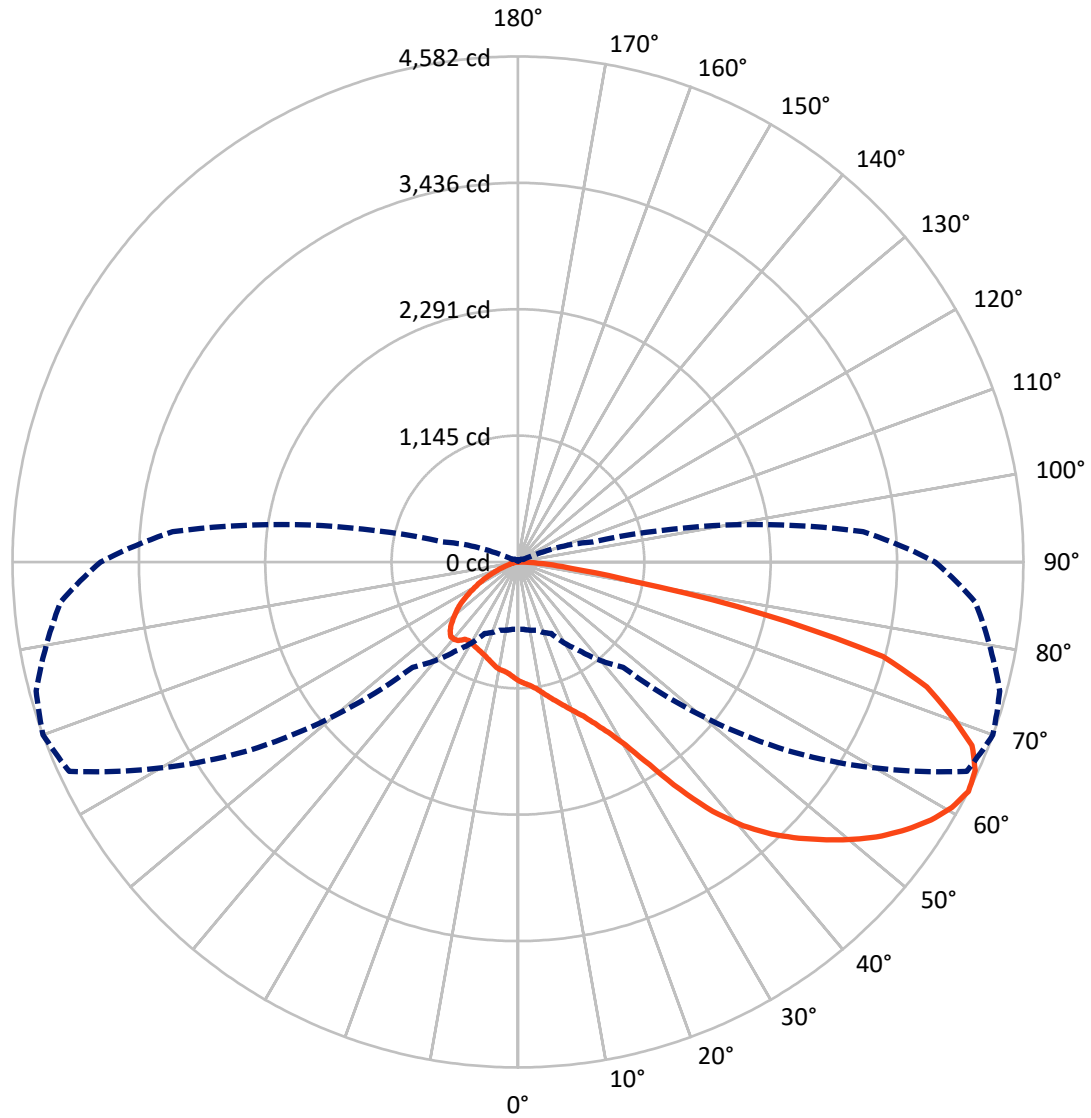
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P510939
CATALOG NUMBER: PRV-P-C15-D-UNV-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: PRV-P-C15-D-UNV-T2-HSS

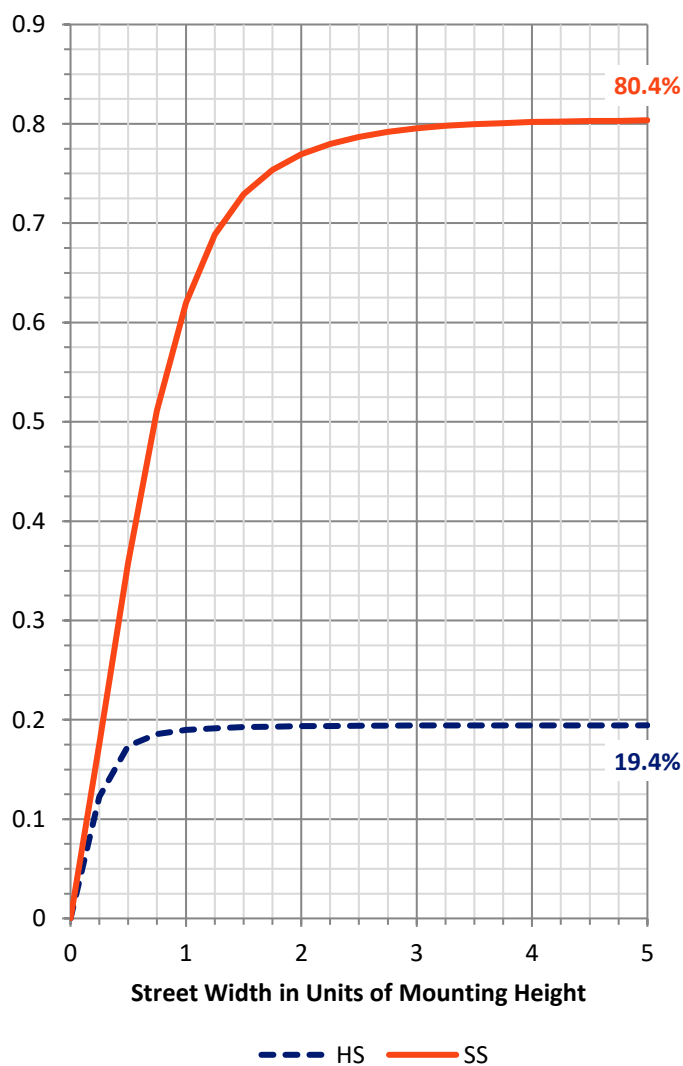
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.1	0.0	1238.1
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	5055.9	0.0	5055.9
	% Fixture	80.3	0.0	80.3
Total	Lumens	6294.0	0.0	6294.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	1.6
10°-20°	308.6	4.9
20°-30°	521.7	8.3
30°-40°	799.9	12.7
40°-50°	1115.4	17.7
50°-60°	1299.2	20.6
60°-70°	1276.3	20.3
70°-80°	767.9	12.2
80°-90°	102.3	1.6
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°	6294.0	100.0
0°-180°	6294.0	100.0

Coefficient of Utilization



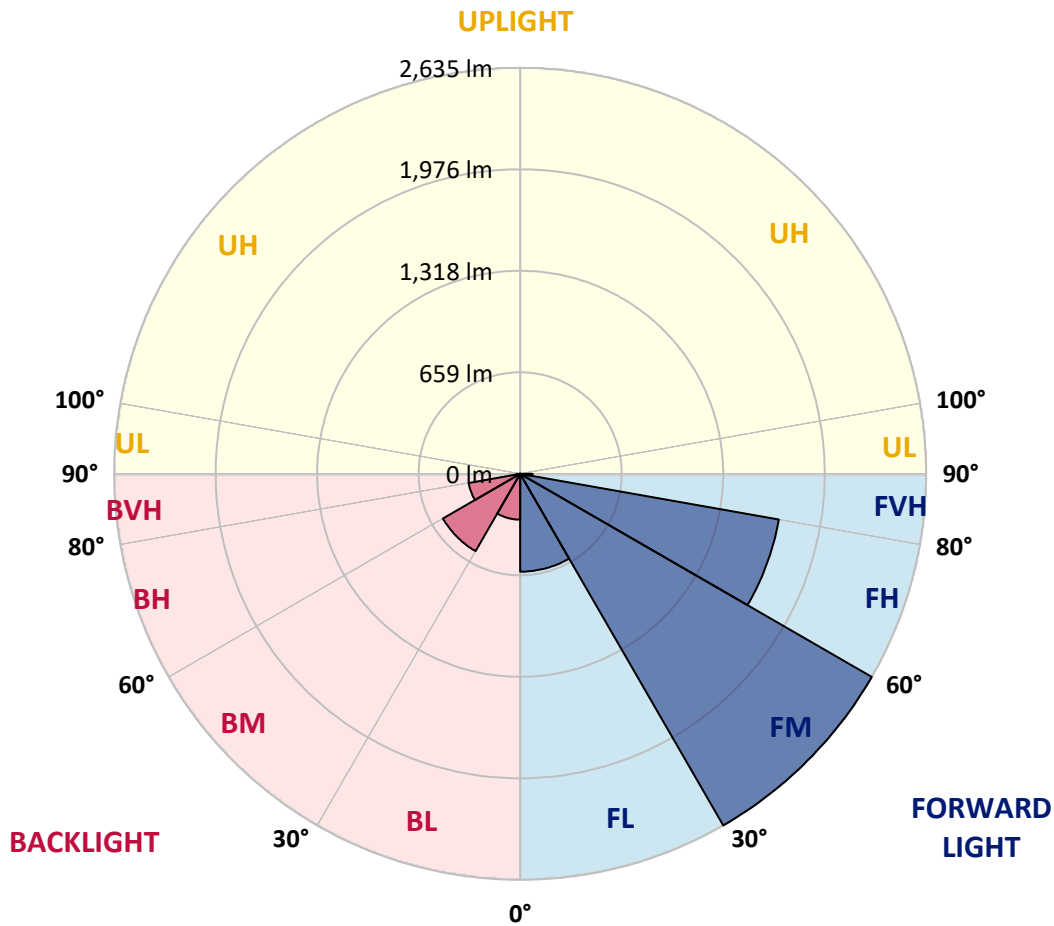
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 CATALOG NUMBER: PRV-P-C15-D-UNV-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	635.3	10.1			
FM (30°-60°)	2635.3	41.9			
FH (60°-80°)	1704.5	27.1			G1/1800
FVH (80°-90°)	80.8	1.3			G1/100
BL (0°-30°)	297.6	4.7	B1/500		
BM (30°-60°)	579.3	9.2	B1/1000		
BH (60°-80°)	339.7	5.4	B1/500		G1/500
BVH (80°-90°)	21.5	0.3			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°	70°	75°	85°
0°	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6
2.5°	1153.6	1153.6	1149.4	1143.7	1138.1	1131.1	1119.8	1108.6	1101.5	1095.9	1081.8
5°	1233.8	1230.9	1222.5	1207.0	1188.7	1173.3	1155.0	1132.5	1122.6	1110.0	1084.6
7.5°	1299.9	1298.5	1288.6	1278.8	1263.3	1242.2	1208.4	1169.0	1156.4	1139.5	1098.7
10°	1363.2	1363.2	1356.2	1344.9	1328.0	1308.3	1277.4	1233.8	1202.8	1176.1	1121.2
12.5°	1418.1	1418.1	1408.2	1398.4	1382.9	1361.8	1332.2	1285.8	1253.5	1223.9	1145.1
15°	1477.1	1472.9	1463.1	1457.4	1434.9	1416.6	1389.9	1340.7	1311.1	1271.7	1173.3
17.5°	1536.2	1530.6	1517.9	1512.3	1494.0	1472.9	1450.4	1406.8	1371.6	1326.6	1212.7
20°	1581.2	1578.4	1570.0	1568.6	1558.7	1533.4	1517.9	1474.3	1440.6	1389.9	1256.3
22.5°	1633.3	1631.9	1627.7	1620.6	1623.4	1616.4	1595.3	1557.3	1517.9	1471.5	1318.2
25°	1655.8	1657.2	1665.6	1682.5	1695.2	1693.8	1681.1	1653.0	1622.0	1567.2	1394.1
27.5°	1668.5	1668.5	1682.5	1726.1	1779.6	1783.8	1778.2	1774.0	1748.7	1688.2	1496.8
30°	1671.3	1672.7	1700.8	1759.9	1845.7	1883.7	1897.8	1927.3	1921.7	1882.3	1654.4
32.5°	1647.4	1650.2	1689.6	1775.4	1893.6	1978.0	2024.4	2156.6	2191.8	2194.6	1986.4
35°	1563.0	1565.8	1633.3	1759.9	1930.1	2072.2	2186.2	2423.9	2532.2	2554.7	2304.3
37.5°	1480.0	1491.2	1570.0	1730.4	1954.0	2162.2	2366.2	2743.3	2867.1	2851.6	2557.6
40°	1412.4	1420.9	1501.1	1681.1	1955.5	2248.1	2557.6	3021.8	3142.8	3095.0	2781.2
42.5°	1333.6	1340.7	1416.6	1616.4	1935.8	2319.8	2732.0	3286.3	3370.7	3321.5	2989.4
45°	1242.2	1250.6	1328.0	1519.3	1895.0	2366.2	2888.2	3491.7	3571.9	3531.1	3179.4
47.5°	1163.4	1170.5	1242.2	1418.1	1816.2	2378.9	3041.5	3712.5	3763.2	3711.1	3349.6
50°	911.6	953.8	1143.7	1328.0	1692.4	2352.2	3168.1	3901.1	3951.7	3902.5	3507.1
52.5°	801.9	806.1	883.5	1232.4	1540.4	2274.8	3265.2	4065.6	4129.0	4064.2	3678.8
55°	748.4	752.6	792.0	1072.0	1412.4	2145.4	3329.9	4231.7	4278.1	4203.5	3830.7
57.5°	702.0	710.4	751.2	852.5	1283.0	1911.8	3329.9	4369.5	4414.5	4324.5	3955.9
60°	649.9	655.6	703.4	776.6	1139.5	1599.5	3208.9	4473.6	4520.0	4441.3	4075.5
62.5°	607.7	613.4	641.5	716.1	984.8	1349.1	2979.6	4489.1	4581.9	4521.5	4161.3
65°	555.7	559.9	592.3	657.0	882.1	1176.1	2672.9	4407.5	4555.2	4544.0	4209.1
67.5°	491.0	499.4	531.8	589.4	762.5	1036.8	2194.6	4310.4	4439.9	4448.3	4106.4
70°	410.8	416.4	450.2	510.7	638.7	873.6	1629.1	4060.0	4162.7	4230.2	3884.2
72.5°	322.2	327.8	363.0	419.2	516.3	725.9	1197.2	3664.7	3877.1	3920.7	3470.6
75°	46.4	59.1	116.8	227.9	413.6	562.7	786.4	2815.0	3418.5	3448.1	2936.0
77.5°	28.1	29.5	45.0	70.3	123.8	377.0	523.3	1440.6	2273.4	2665.9	2295.9
80°	21.1	22.5	35.2	54.9	80.2	106.9	253.2	792.0	1059.3	1492.6	1520.7
82.5°	11.3	12.7	23.9	39.4	49.2	46.4	106.9	346.1	489.6	624.6	765.3
85°	7.0	7.0	12.7	21.1	19.7	23.9	49.2	180.1	277.1	354.5	382.6
87.5°	2.8	2.8	4.2	7.0	7.0	5.6	8.4	42.2	54.9	67.5	42.2
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: P510939
 CATALOG NUMBER: PRV-P-C15-D-UNV-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6
2.5°	1074.8	1067.8	1055.1	1039.6	1027.0	1017.1	1010.1	1005.9	998.8	1001.6	1004.5
5°	1070.6	1056.5	1029.8	1004.5	980.5	960.8	942.6	929.9	920.0	915.8	914.4
7.5°	1077.6	1055.1	1015.7	979.1	944.0	907.4	886.3	861.0	846.9	844.1	841.3
10°	1091.7	1066.4	1015.7	962.3	908.8	859.6	821.6	794.8	772.3	762.5	758.3
12.5°	1105.7	1069.2	1004.5	935.5	865.2	804.7	755.5	713.2	689.3	686.5	679.5
15°	1124.0	1077.6	986.2	900.4	814.5	740.0	686.5	648.5	621.8	617.6	616.2
17.5°	1150.8	1091.7	974.9	865.2	765.3	679.5	631.7	604.9	564.1	562.7	555.7
20°	1184.5	1115.6	972.1	827.2	716.1	628.8	579.6	554.3	510.7	492.4	489.6
22.5°	1232.4	1146.5	970.7	794.8	671.0	585.2	526.1	481.1	433.3	392.5	384.1
25°	1290.0	1184.5	973.5	768.1	627.4	537.4	450.2	368.6	319.3	282.8	268.7
27.5°	1363.2	1235.2	977.7	741.4	583.8	474.1	350.3	263.1	219.5	195.5	189.9
30°	1489.8	1306.9	983.4	713.2	537.4	382.6	240.6	189.9	153.3	126.6	126.6
32.5°	1751.5	1501.1	994.6	686.5	481.1	284.2	174.4	129.4	95.7	81.6	84.4
35°	2052.5	1765.5	1046.7	649.9	405.2	188.5	118.2	78.8	60.5	63.3	66.1
37.5°	2300.1	1970.9	1170.5	613.4	305.3	132.2	71.7	54.9	54.9	56.3	66.1
40°	2505.5	2169.3	1257.7	561.3	201.2	81.6	46.4	50.6	47.8	49.2	46.4
42.5°	2712.3	2335.3	1326.6	492.4	129.4	49.2	42.2	47.8	45.0	45.0	39.4
45°	2886.8	2485.8	1361.8	392.5	73.2	40.8	39.4	45.0	43.6	42.2	36.6
47.5°	3057.0	2629.3	1378.7	271.5	46.4	36.6	36.6	40.8	40.8	35.2	32.4
50°	3215.9	2753.1	1370.2	149.1	43.6	35.2	36.6	33.8	35.2	28.1	25.3
52.5°	3369.3	2860.0	1302.7	90.0	40.8	35.2	32.4	29.5	28.1	21.1	21.1
55°	3495.9	2948.6	1178.9	70.3	40.8	33.8	29.5	25.3	22.5	16.9	18.3
57.5°	3608.4	3038.7	1011.5	64.7	42.2	32.4	26.7	22.5	18.3	14.1	12.7
60°	3716.8	3117.5	852.5	59.1	43.6	32.4	22.5	18.3	12.7	11.3	9.8
62.5°	3782.9	3142.8	706.2	53.5	43.6	29.5	21.1	15.5	9.8	8.4	7.0
65°	3767.4	3082.3	554.3	50.6	42.2	26.7	18.3	12.7	8.4	5.6	5.6
67.5°	3621.1	2872.7	402.3	49.2	40.8	26.7	16.9	9.8	7.0	4.2	4.2
70°	3293.3	2560.4	277.1	45.0	36.6	22.5	16.9	8.4	5.6	4.2	2.8
72.5°	2882.5	2264.9	185.7	39.4	29.5	16.9	9.8	7.0	4.2	2.8	2.8
75°	2468.9	1799.3	128.0	30.9	22.5	14.1	7.0	5.6	4.2	2.8	1.4
77.5°	1854.2	1297.1	95.7	23.9	16.9	8.4	4.2	2.8	2.8	1.4	1.4
80°	1280.2	891.9	74.6	12.7	5.6	4.2	2.8	2.8	1.4	1.4	1.4
82.5°	685.1	475.5	46.4	8.4	2.8	2.8	1.4	1.4	1.4	1.4	1.4
85°	325.0	192.7	15.5	4.2	2.8	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	32.4	9.8	4.2	2.8	2.8	1.4	0.0	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

(END OF REPORT)