

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: P511041

Luminaire Tested: **PRV-P-C25-D-UNV-T3-7030-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C25-D-UNV-T3-7030-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1650mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10438 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

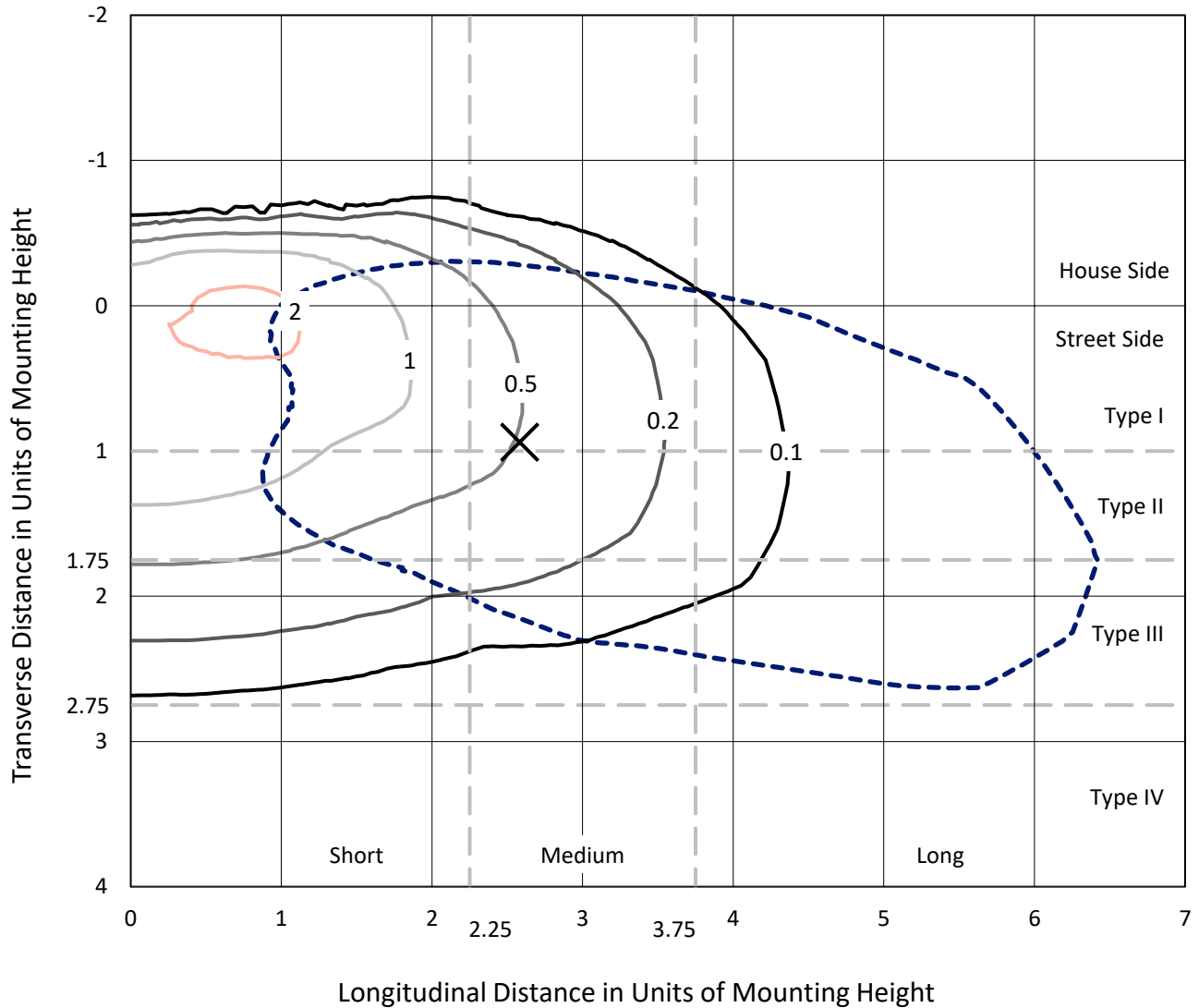
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

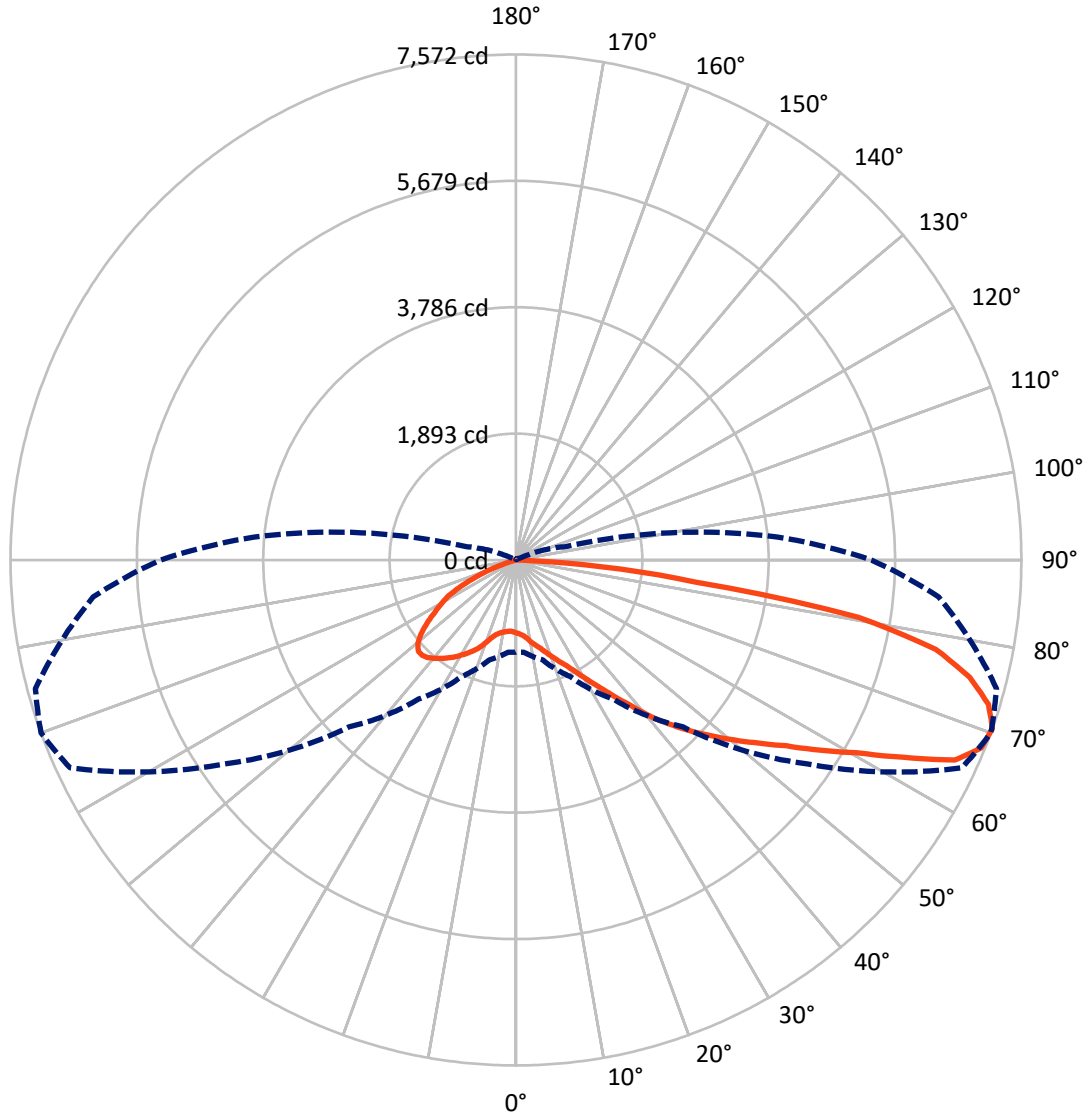
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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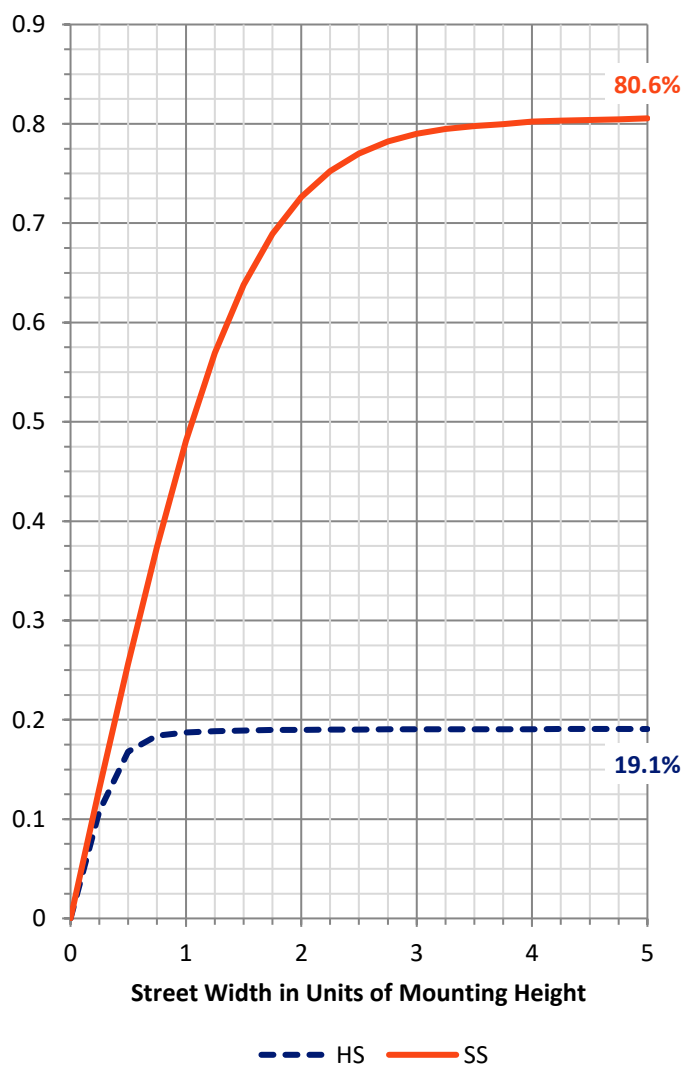
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2012.5	0.0	2012.5
	% Fixture	19.3	0.0	19.3
Street Side	Lumens	8425.5	0.0	8425.5
	% Fixture	80.7	0.0	80.7
Total	Lumens	10438.0	0.0	10438.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	1.0
10°-20°	331.9	3.2
20°-30°	609.7	5.8
30°-40°	1019.3	9.8
40°-50°	1595.2	15.3
50°-60°	2174.6	20.8
60°-70°	2532.1	24.3
70°-80°	1770.3	17.0
80°-90°	299.8	2.9
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°	10438.0	100.0
0°-180°	10438.0	100.0

Coefficient of Utilization

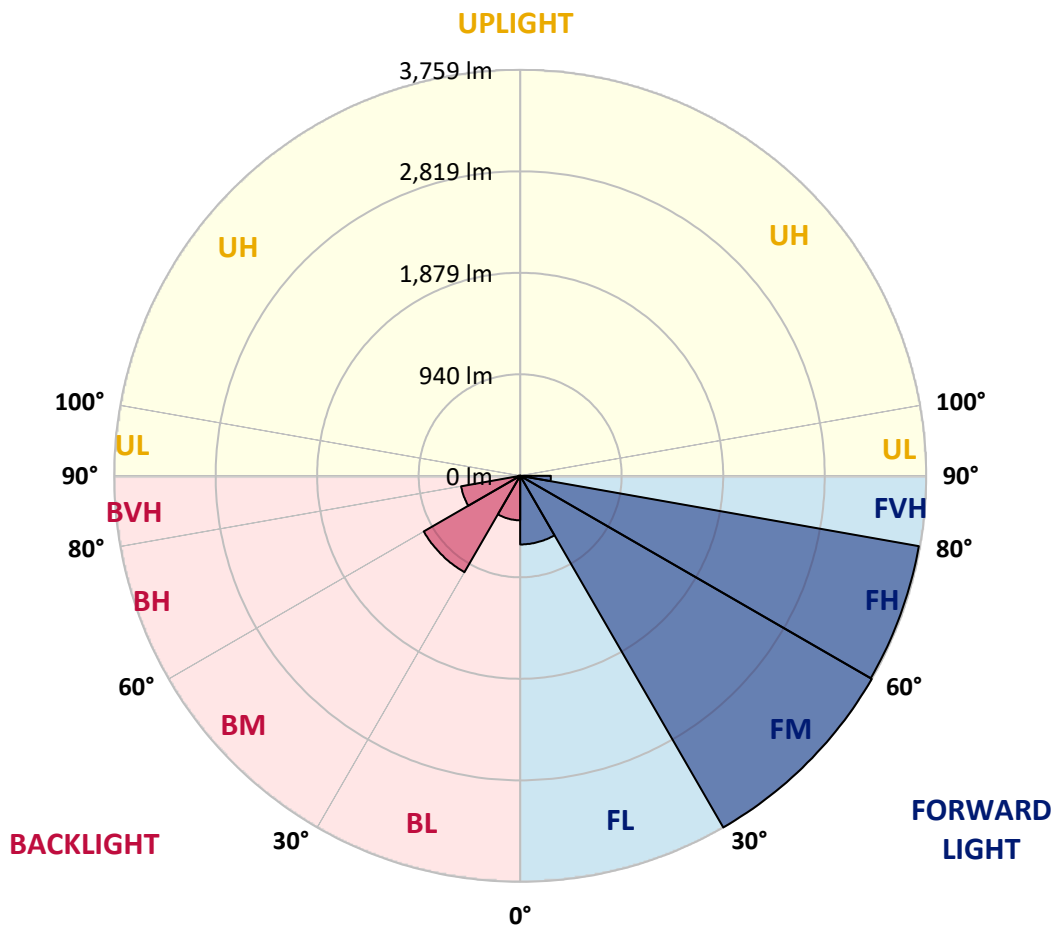


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	635.3	6.1			
FM (30°-60°)	3758.5	36.0			
FH (60°-80°)	3747.4	35.9			G2/5000
FVH (80°-90°)	284.3	2.7			G3/500
BL (0°-30°)	411.4	3.9	B1/500		
BM (30°-60°)	1030.6	9.9	B2/2500		
BH (60°-80°)	555.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	15.6	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-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2
2.5°	1132.5	1139.6	1137.2	1139.6	1137.2	1130.1	1120.6	1111.1	1108.8	1106.4	1099.3
5°	1182.2	1187.0	1182.2	1184.6	1179.8	1170.4	1156.2	1141.9	1137.2	1127.7	1111.1
7.5°	1224.9	1229.6	1229.6	1236.7	1234.3	1229.6	1213.0	1196.4	1182.2	1172.7	1151.4
10°	1269.9	1272.2	1274.6	1284.1	1291.2	1291.2	1277.0	1262.8	1250.9	1234.3	1201.2
12.5°	1298.3	1300.7	1305.4	1317.3	1333.8	1343.3	1336.2	1322.0	1310.2	1295.9	1253.3
15°	1310.2	1312.5	1324.4	1345.7	1369.4	1383.6	1386.0	1376.5	1371.8	1357.5	1314.9
17.5°	1341.0	1345.7	1352.8	1381.2	1400.2	1423.9	1445.2	1459.4	1454.7	1440.5	1395.4
20°	1388.3	1395.4	1400.2	1421.5	1435.7	1478.4	1521.0	1547.1	1544.7	1535.2	1490.2
22.5°	1447.6	1449.9	1454.7	1468.9	1495.0	1542.3	1601.6	1632.4	1646.6	1637.1	1601.6
25°	1513.9	1513.9	1509.2	1530.5	1566.0	1618.1	1689.2	1741.3	1750.8	1757.9	1765.0
27.5°	1592.1	1594.5	1587.3	1606.3	1639.5	1701.1	1788.7	1862.2	1890.6	1900.1	1968.8
30°	1779.3	1776.9	1748.5	1696.3	1736.6	1805.3	1897.7	2020.9	2061.2	2103.8	2231.8
32.5°	2023.3	2018.5	2018.5	1904.8	1840.9	1916.7	2020.9	2177.3	2253.1	2371.5	2516.1
35°	2248.3	2248.3	2241.2	2177.3	2054.1	2037.5	2151.2	2359.7	2485.3	2700.9	2819.3
37.5°	2447.4	2447.4	2459.2	2388.1	2307.6	2217.5	2317.1	2556.3	2743.5	3025.4	3113.1
40°	2629.8	2636.9	2646.4	2610.8	2549.2	2475.8	2485.3	2774.3	3065.7	3373.7	3442.4
42.5°	2760.1	2779.0	2835.9	2793.3	2802.7	2757.7	2684.3	2980.4	3357.1	3662.7	3722.0
45°	2883.3	2890.4	2933.0	2959.1	3023.1	3004.1	2952.0	3191.3	3646.2	3954.2	3966.0
47.5°	2970.9	2970.9	3008.9	3096.5	3212.6	3248.1	3229.2	3428.2	3937.6	4212.4	4224.2
50°	3004.1	3008.9	3094.1	3219.7	3414.0	3485.1	3511.1	3736.2	4240.8	4494.3	4461.2
52.5°	3042.0	3058.6	3170.0	3326.3	3584.6	3726.7	3790.7	4141.3	4558.3	4773.9	4705.2
55°	3061.0	3091.8	3193.7	3387.9	3707.8	3932.8	4039.4	4525.1	4913.7	5060.6	4987.1
57.5°	2914.1	2963.8	3148.6	3390.3	3785.9	4101.0	4314.3	4956.3	5375.7	5415.9	5219.3
60°	2712.7	2736.4	2952.0	3333.4	3764.6	4236.1	4631.7	5472.8	5859.0	5875.6	5503.6
62.5°	2492.4	2492.4	2703.2	3141.5	3667.5	4255.0	4920.8	6117.2	6510.5	6370.7	5802.1
65°	2201.0	2217.5	2426.0	2826.4	3449.5	4179.2	5141.1	6752.2	7226.0	7093.3	6098.3
67.5°	1836.1	1850.3	2037.5	2416.6	3042.0	3954.2	5290.4	7226.0	7517.4	7398.9	6323.3
70°	1378.9	1388.3	1549.4	1926.1	2544.5	3534.8	5328.3	7370.5	7571.9	7453.4	6356.5
72.5°	779.5	755.8	942.9	1267.5	1840.9	2873.8	5181.4	7287.6	7401.3	7271.0	6100.6
75°	118.5	139.8	201.4	466.7	945.3	1885.9	4574.9	6891.9	7019.9	6865.9	5629.2
77.5°	85.3	87.7	113.7	170.6	286.7	691.8	2914.1	6197.8	6429.9	6242.8	4880.5
80°	61.6	61.6	80.6	120.8	194.3	267.7	1125.4	4600.9	5205.1	5134.0	3653.3
82.5°	42.6	45.0	56.9	87.7	135.0	189.5	324.6	2203.3	2712.7	2786.2	1795.8
85°	28.4	28.4	40.3	61.6	90.0	116.1	130.3	950.0	1286.5	1338.6	751.0
87.5°	16.6	16.6	23.7	37.9	56.9	71.1	64.0	75.8	66.3	61.6	33.2
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°	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2	1092.2
2.5°	1094.6	1089.8	1080.3	1073.2	1063.8	1051.9	1040.1	1035.3	1023.5	1021.1	1014.0
5°	1104.0	1094.6	1078.0	1059.0	1035.3	1011.6	985.6	971.4	959.5	950.0	957.1
7.5°	1137.2	1120.6	1094.6	1061.4	1021.1	983.2	950.0	921.6	905.0	897.9	897.9
10°	1182.2	1160.9	1118.3	1068.5	1014.0	964.3	914.5	876.6	850.5	838.7	836.3
12.5°	1232.0	1205.9	1149.1	1080.3	1014.0	945.3	888.4	836.3	800.8	784.2	781.8
15°	1284.1	1255.7	1187.0	1108.8	1030.6	950.0	871.9	803.2	753.4	725.0	722.6
17.5°	1362.3	1329.1	1248.6	1165.6	1070.9	969.0	867.1	767.6	689.4	651.5	646.8
20°	1457.0	1423.9	1352.8	1243.8	1118.3	983.2	841.1	713.1	620.7	571.0	571.0
22.5°	1577.9	1580.2	1476.0	1317.3	1146.7	973.7	810.3	653.9	528.3	464.4	459.6
25°	1765.0	1753.2	1592.1	1374.1	1160.9	942.9	751.0	547.3	400.4	338.8	326.9
27.5°	1980.6	1919.0	1698.7	1419.1	1149.1	907.4	658.6	409.9	267.7	213.2	206.1
30°	2193.9	2106.2	1802.9	1461.8	1125.4	831.6	509.4	255.9	170.6	142.2	137.4
32.5°	2447.4	2324.2	1926.1	1492.6	1096.9	715.5	343.5	161.1	111.4	94.8	90.0
35°	2726.9	2544.5	2051.7	1504.4	1040.1	561.5	199.0	99.5	68.7	68.7	71.1
37.5°	3016.0	2817.0	2191.5	1502.1	940.6	374.3	123.2	56.9	56.9	68.7	73.4
40°	3297.9	3053.9	2338.4	1483.1	786.6	215.6	64.0	47.4	52.1	64.0	66.3
42.5°	3565.6	3267.1	2492.4	1445.2	585.2	120.8	49.8	45.0	49.8	54.5	54.5
45°	3802.5	3499.3	2617.9	1388.3	367.2	64.0	47.4	42.6	42.6	45.0	47.4
47.5°	4011.0	3693.5	2724.6	1277.0	196.6	59.2	45.0	40.3	37.9	40.3	40.3
50°	4219.5	3864.1	2767.2	1099.3	92.4	59.2	45.0	37.9	35.5	42.6	42.6
52.5°	4420.9	4058.4	2753.0	862.4	66.3	54.5	42.6	37.9	35.5	45.0	47.4
55°	4638.8	4245.6	2729.3	547.3	66.3	52.1	40.3	33.2	33.2	33.2	35.5
57.5°	4847.3	4413.8	2689.0	229.8	64.0	47.4	35.5	28.4	26.1	28.4	28.4
60°	5074.8	4600.9	2513.7	92.4	61.6	42.6	30.8	26.1	21.3	23.7	23.7
62.5°	5316.4	4719.4	2205.7	73.4	56.9	37.9	26.1	21.3	19.0	19.0	21.3
65°	5496.5	4721.8	1734.2	64.0	54.5	33.2	23.7	19.0	16.6	16.6	16.6
67.5°	5517.8	4449.3	1265.1	56.9	49.8	28.4	19.0	16.6	14.2	11.8	14.2
70°	5323.5	3930.5	772.4	54.5	42.6	23.7	16.6	14.2	11.8	9.5	11.8
72.5°	4939.7	3350.0	303.3	49.8	37.9	19.0	14.2	14.2	9.5	7.1	7.1
75°	4335.6	2615.6	75.8	45.0	33.2	16.6	11.8	11.8	9.5	4.7	4.7
77.5°	3482.7	1537.6	56.9	37.9	28.4	11.8	9.5	9.5	4.7	4.7	4.7
80°	1945.1	580.4	42.6	26.1	16.6	9.5	4.7	4.7	4.7	4.7	4.7
82.5°	772.4	120.8	30.8	14.2	9.5	4.7	2.4	2.4	2.4	4.7	4.7
85°	165.8	37.9	19.0	9.5	4.7	2.4	2.4	2.4	2.4	2.4	4.7
87.5°	11.8	11.8	7.1	7.1	4.7	2.4	2.4	2.4	2.4	2.4	2.4
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)