

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: P511307

Luminaire Tested: **PRV-P-PA1D-730-U-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1D-730-U-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10150 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

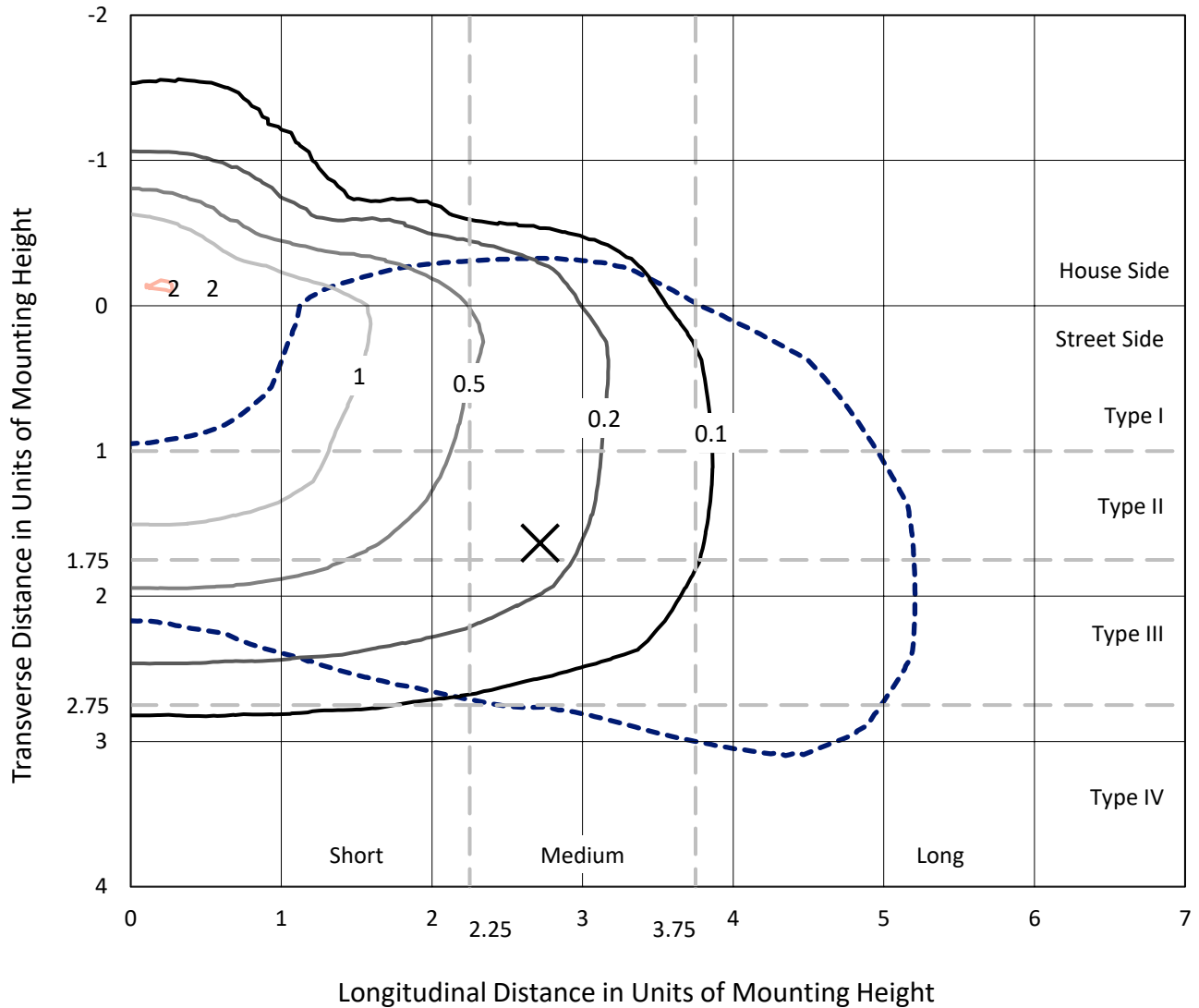
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511307
 CATALOG NUMBER: PRV-P-PA1D-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

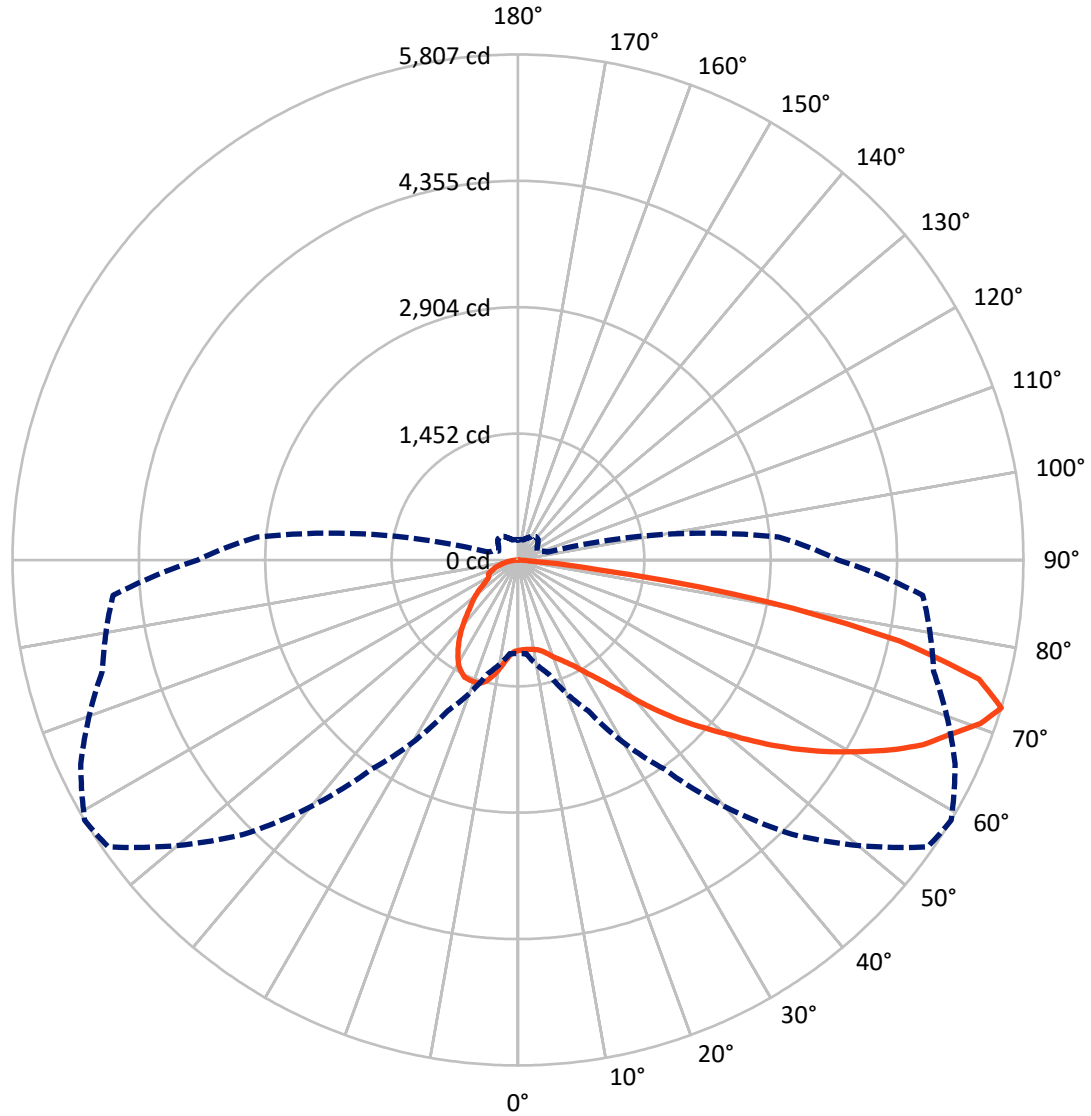
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P511307
CATALOG NUMBER: PRV-P-PA1D-730-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P511307
 CATALOG NUMBER: PRV-P-PA1D-730-U-T3

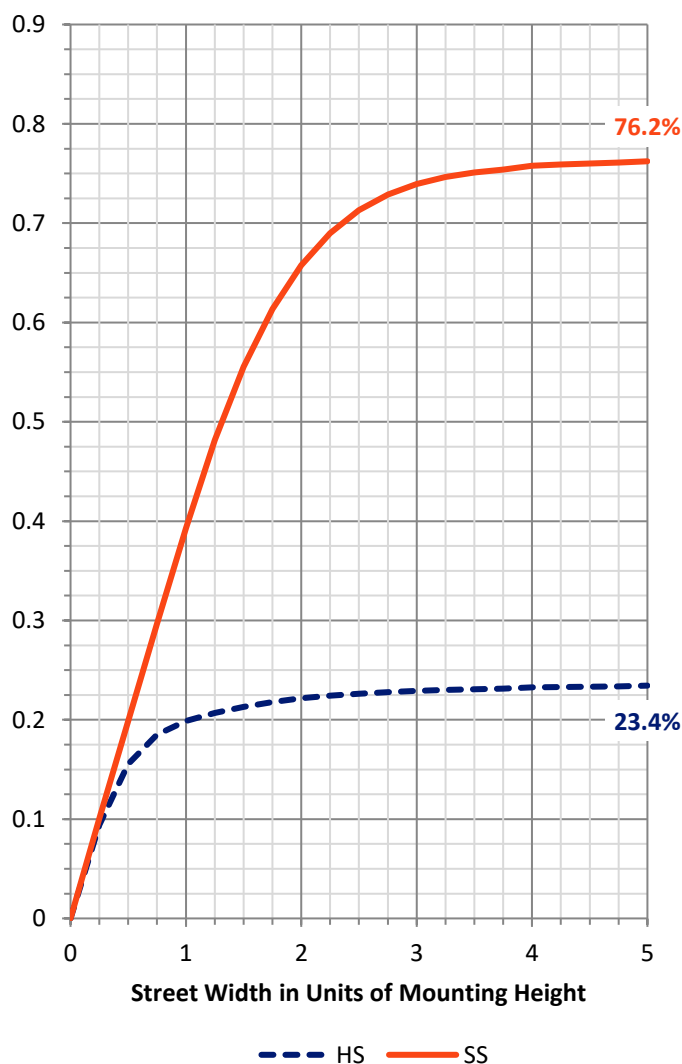
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2401.2	0.0	2401.2
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	7748.8	0.0	7748.8
	% Fixture	76.3	0.0	76.3
Total	Lumens	10150.0	0.0	10150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	1.0
10°-20°	342.5	3.4
20°-30°	632.5	6.2
30°-40°	962.4	9.5
40°-50°	1450.3	14.3
50°-60°	2154.8	21.2
60°-70°	2564.5	25.3
70°-80°	1735.7	17.1
80°-90°	203.5	2.0
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°	10150.0	100.0
0°-180°	10150.0	100.0

Coefficient of Utilization



REPORT NUMBER: P511307

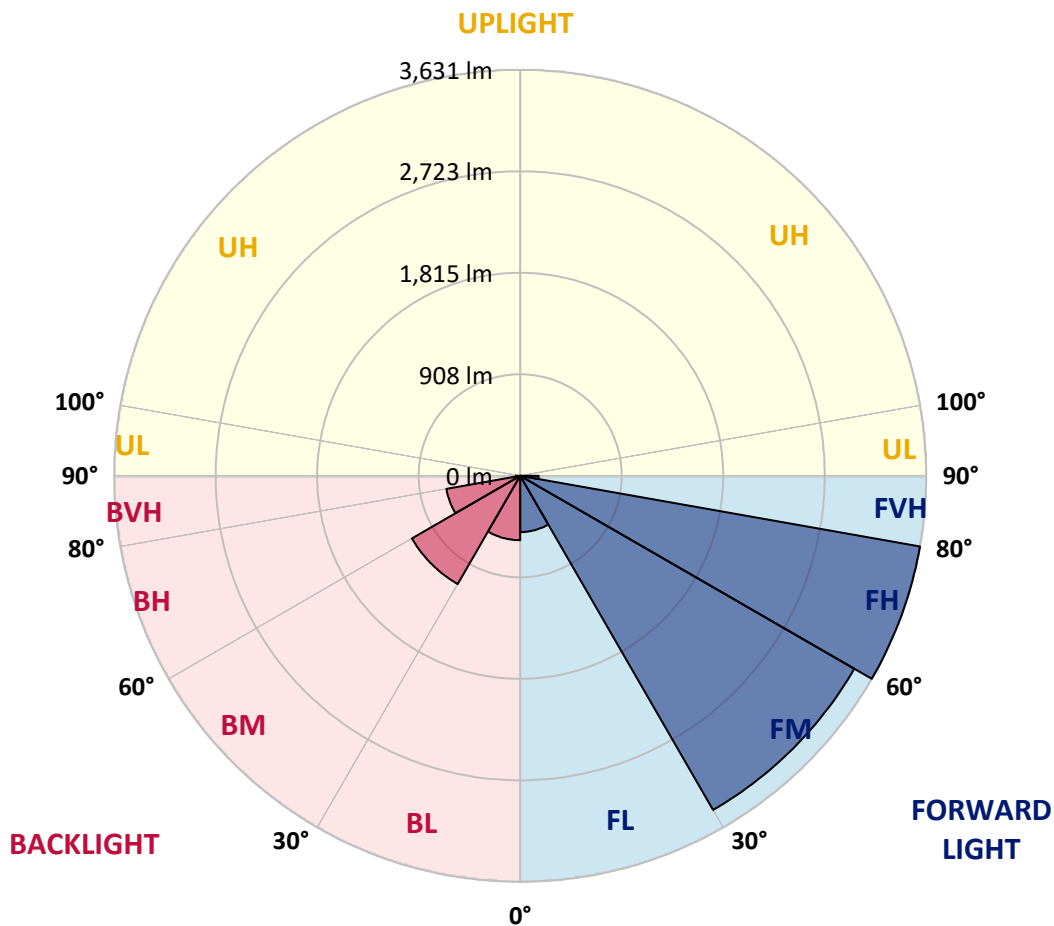
CATALOG NUMBER: PRV-P-PA1D-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.0	5.0			
FM (30°-60°)	3449.7	34.0			
FH (60°-80°)	3630.6	35.8			G2/5000
FVH (80°-90°)	165.4	1.6			G2/225
BL (0°-30°)	575.8	5.7	B2/1000		
BM (30°-60°)	1117.8	11.0	B2/2500		
BH (60°-80°)	669.5	6.6	B2/1000		G2/1000
BVH (80°-90°)	38.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





REPORT NUMBER: P511307

CATALOG NUMBER: PRV-P-PA1D-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5
2.5°	1028.0	1032.6	1030.3	1030.3	1032.6	1032.6	1037.2	1032.6	1039.5	1037.2	1034.9
5°	986.9	984.6	989.2	996.0	1005.2	1021.2	1030.3	1032.6	1037.2	1044.0	1044.0
7.5°	909.2	911.5	920.7	936.7	961.8	998.3	1034.9	1037.2	1050.9	1066.9	1076.0
10°	891.0	893.2	897.8	920.7	945.8	986.9	1034.9	1046.3	1071.4	1096.6	1119.4
12.5°	881.8	886.4	891.0	918.4	954.9	996.0	1046.3	1060.0	1096.6	1137.7	1172.0
15°	888.7	891.0	897.8	920.7	959.5	1014.3	1069.2	1092.0	1128.6	1181.1	1224.5
17.5°	916.1	916.1	911.5	932.1	966.3	1034.9	1105.7	1137.7	1176.5	1231.4	1286.2
20°	982.3	982.3	973.2	961.8	984.6	1053.2	1151.4	1192.5	1238.2	1295.3	1347.9
22.5°	1119.4	1117.1	1089.7	1048.6	1039.5	1087.4	1199.4	1245.1	1306.7	1366.1	1411.8
25°	1320.4	1320.4	1272.5	1203.9	1156.0	1151.4	1249.6	1306.7	1384.4	1441.5	1471.2
27.5°	1551.2	1542.0	1478.1	1400.4	1309.0	1258.8	1327.3	1379.8	1468.9	1526.1	1532.9
30°	1731.7	1740.8	1681.4	1574.0	1466.7	1400.4	1425.5	1482.6	1578.6	1622.0	1606.0
32.5°	1953.3	1930.4	1880.2	1779.6	1656.3	1562.6	1558.0	1592.3	1674.5	1727.1	1683.7
35°	2101.8	2094.9	2060.6	1971.5	1841.3	1743.1	1692.8	1731.7	1809.3	1834.5	1781.9
37.5°	2257.1	2261.7	2238.8	2156.6	2046.9	1914.4	1877.9	1898.4	1978.4	1992.1	1923.6
40°	2469.6	2474.1	2460.4	2378.2	2243.4	2142.9	2110.9	2131.5	2204.6	2202.3	2099.5
42.5°	2736.8	2739.1	2746.0	2622.6	2478.7	2380.5	2359.9	2373.6	2455.9	2428.4	2318.8
45°	3081.8	3065.8	3072.7	2953.9	2780.3	2672.9	2638.6	2629.5	2686.6	2686.6	2567.8
47.5°	3344.5	3356.0	3371.9	3289.7	3141.2	3049.8	2917.3	2883.1	2935.6	2951.6	2830.5
50°	3575.3	3609.5	3600.4	3621.0	3499.9	3463.3	3230.3	3157.2	3223.4	3232.6	3118.4
52.5°	3723.8	3787.7	3799.1	3876.8	3908.8	3956.8	3550.1	3486.2	3513.6	3515.9	3422.2
55°	3721.5	3774.0	3904.2	4082.4	4249.2	4374.8	3895.1	3822.0	3819.7	3819.7	3755.7
57.5°	3655.2	3689.5	3931.6	4160.1	4479.9	4681.0	4246.9	4153.2	4114.4	4119.0	4112.1
60°	3472.5	3531.9	3867.7	4180.7	4658.1	4886.6	4532.5	4470.8	4436.5	4365.7	4534.8
62.5°	3301.1	3319.4	3630.1	4128.1	4687.8	4975.7	4863.7	4806.6	4767.8	4628.4	4875.2
65°	2942.5	2953.9	3248.6	3842.6	4578.2	5032.8	5147.0	5115.0	5032.8	4870.6	5156.1
67.5°	2437.6	2474.1	2720.9	3406.2	4285.7	5057.9	5370.9	5348.0	5245.2	4978.0	5281.8
70°	1800.2	1829.9	2133.7	2743.7	3780.9	4925.4	5658.7	5633.6	5423.4	5028.2	5135.6
72.5°	1073.7	1080.6	1354.7	1909.9	2933.3	4457.1	5747.8	5807.2	5542.2	4943.7	4669.5
75°	438.6	411.2	534.6	918.4	1793.3	3296.6	5334.3	5471.4	5409.7	4633.0	3856.3
77.5°	205.6	203.3	271.9	472.9	758.5	1697.4	4299.5	4482.2	4585.0	3984.2	2926.5
80°	116.5	118.8	155.3	239.9	434.1	454.6	2563.2	2896.8	2944.7	2542.7	1683.7
82.5°	95.9	95.9	105.1	132.5	244.4	203.3	466.0	920.7	1309.0	1153.7	607.7
85°	36.6	38.8	45.7	54.8	114.2	77.7	100.5	139.4	233.0	324.4	54.8
87.5°	2.3	2.3	2.3	4.6	4.6	6.9	9.1	11.4	9.1	11.4	9.1
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: P511307
 CATALOG NUMBER: PRV-P-PA1D-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5	1039.5
2.5°	1041.7	1044.0	1046.3	1048.6	1053.2	1060.0	1064.6	1064.6	1069.2	1076.0	1078.3
5°	1048.6	1055.4	1064.6	1078.3	1096.6	1114.8	1135.4	1146.8	1156.0	1165.1	1165.1
7.5°	1080.6	1089.7	1114.8	1142.3	1178.8	1208.5	1226.8	1249.6	1261.1	1270.2	1270.2
10°	1135.4	1144.5	1190.2	1238.2	1279.3	1313.6	1322.7	1329.6	1338.7	1347.9	1336.4
12.5°	1185.7	1217.6	1270.2	1322.7	1377.6	1389.0	1375.3	1338.7	1320.4	1318.2	1309.0
15°	1245.1	1283.9	1357.0	1409.5	1453.0	1416.4	1341.0	1331.9	1341.0	1359.3	1361.6
17.5°	1313.6	1343.3	1427.8	1491.8	1471.2	1389.0	1386.7	1386.7	1391.3	1393.6	1386.7
20°	1368.4	1418.7	1510.1	1546.6	1448.4	1418.7	1402.7	1384.4	1377.6	1377.6	1375.3
22.5°	1434.7	1475.8	1574.0	1551.2	1443.8	1416.4	1377.6	1354.7	1354.7	1366.1	1361.6
25°	1491.8	1551.2	1638.0	1532.9	1441.5	1377.6	1334.2	1325.0	1329.6	1347.9	1343.3
27.5°	1548.9	1617.4	1674.5	1510.1	1389.0	1309.0	1281.6	1279.3	1256.5	1261.1	1256.5
30°	1626.6	1681.4	1676.8	1500.9	1306.7	1240.5	1213.1	1146.8	1112.6	1130.8	1130.8
32.5°	1690.5	1749.9	1658.6	1430.1	1217.6	1174.2	1069.2	1002.9	991.5	1002.9	1016.6
35°	1788.8	1839.0	1647.1	1334.2	1126.3	1048.6	920.7	877.3	865.8	872.7	879.5
37.5°	1928.1	1946.4	1690.5	1213.1	1044.0	888.7	797.3	765.3	735.6	708.2	717.3
40°	2104.0	2083.5	1740.8	1121.7	932.1	756.2	705.9	667.1	612.2	571.1	568.8
42.5°	2298.2	2211.4	1745.4	1044.0	804.1	667.1	621.4	573.4	516.3	470.6	466.0
45°	2524.4	2380.5	1708.8	975.5	680.8	605.4	555.1	498.0	443.2	406.6	408.9
47.5°	2791.7	2556.4	1658.6	897.8	605.4	548.3	491.2	440.9	397.5	367.8	370.1
50°	3079.5	2725.4	1601.4	806.4	543.7	491.2	440.9	399.8	365.5	345.0	342.7
52.5°	3390.2	2917.3	1576.3	692.2	488.9	450.0	406.6	376.9	345.0	315.3	308.4
55°	3728.3	3097.8	1592.3	557.4	436.3	413.5	388.4	351.8	351.8	342.7	335.8
57.5°	4034.5	3273.7	1654.0	470.6	395.2	399.8	383.8	422.6	434.1	420.4	413.5
60°	4317.7	3454.2	1651.7	406.6	374.7	434.1	484.3	470.6	404.4	376.9	367.8
62.5°	4511.9	3607.2	1464.4	361.0	390.7	518.6	498.0	418.1	358.7	347.2	340.4
65°	4635.3	3675.8	1098.9	335.8	404.4	488.9	445.5	372.4	331.3	333.5	331.3
67.5°	4580.5	3623.2	747.0	301.6	358.7	420.4	404.4	342.7	301.6	319.8	313.0
70°	4274.3	3429.1	491.2	274.1	317.5	376.9	372.4	310.7	274.1	281.0	271.9
72.5°	3680.4	3008.7	354.1	242.2	269.6	329.0	338.1	281.0	239.9	235.3	228.5
75°	2944.7	2321.1	260.4	210.2	223.9	276.4	297.0	246.7	210.2	198.8	194.2
77.5°	2117.7	1503.2	198.8	173.6	180.5	226.2	258.2	205.6	169.1	155.3	150.8
80°	1169.7	728.8	148.5	134.8	130.2	169.1	189.6	171.3	130.2	121.1	116.5
82.5°	408.9	217.0	102.8	86.8	82.2	118.8	137.1	125.6	89.1	75.4	77.7
85°	48.0	61.7	43.4	41.1	36.6	48.0	61.7	48.0	27.4	25.1	25.1
87.5°	6.9	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3
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)