

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: P510904

Luminaire Tested: **PRV-P-C10-D-UNV-T3**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510904  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-C10-D-UNV-T3  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 600mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4782 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

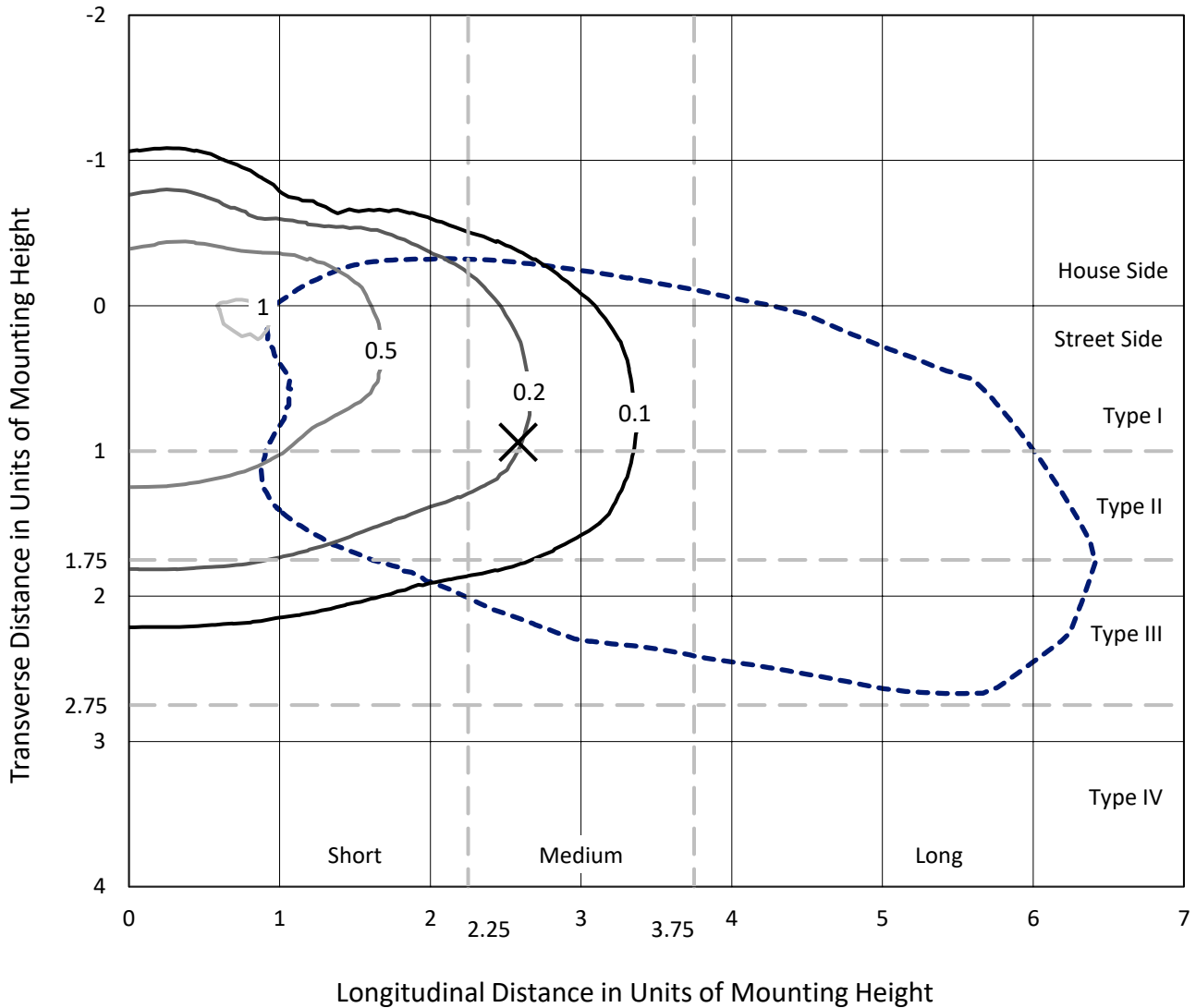
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

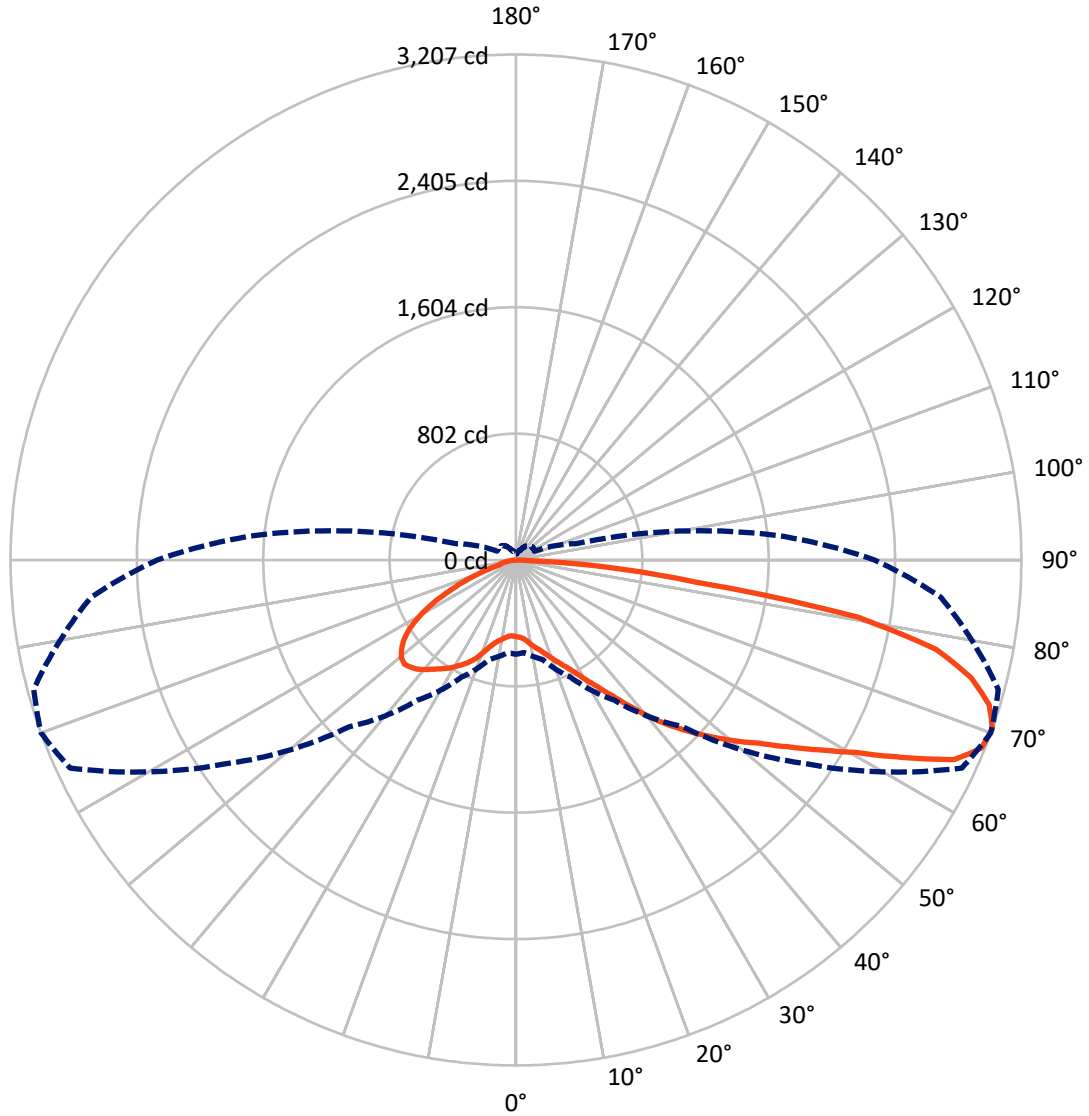
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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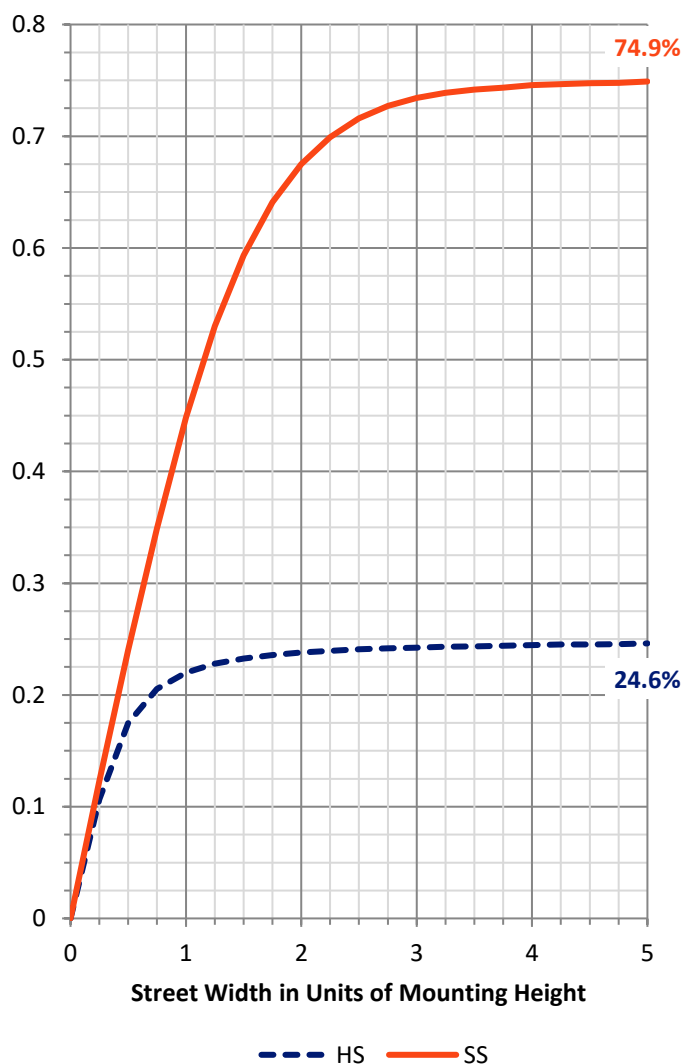
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1193.0	0.0	1193.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	3589.0	0.0	3589.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	4782.0	0.0	4782.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.8	1.0
10°-20°	156.4	3.3
20°-30°	293.8	6.1
30°-40°	491.5	10.3
40°-50°	750.6	15.7
50°-60°	990.6	20.7
60°-70°	1120.9	23.4
70°-80°	788.1	16.5
80°-90°	142.5	3.0
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°	4782.0	100.0
0°-180°	4782.0	100.0

**Coefficient of Utilization**

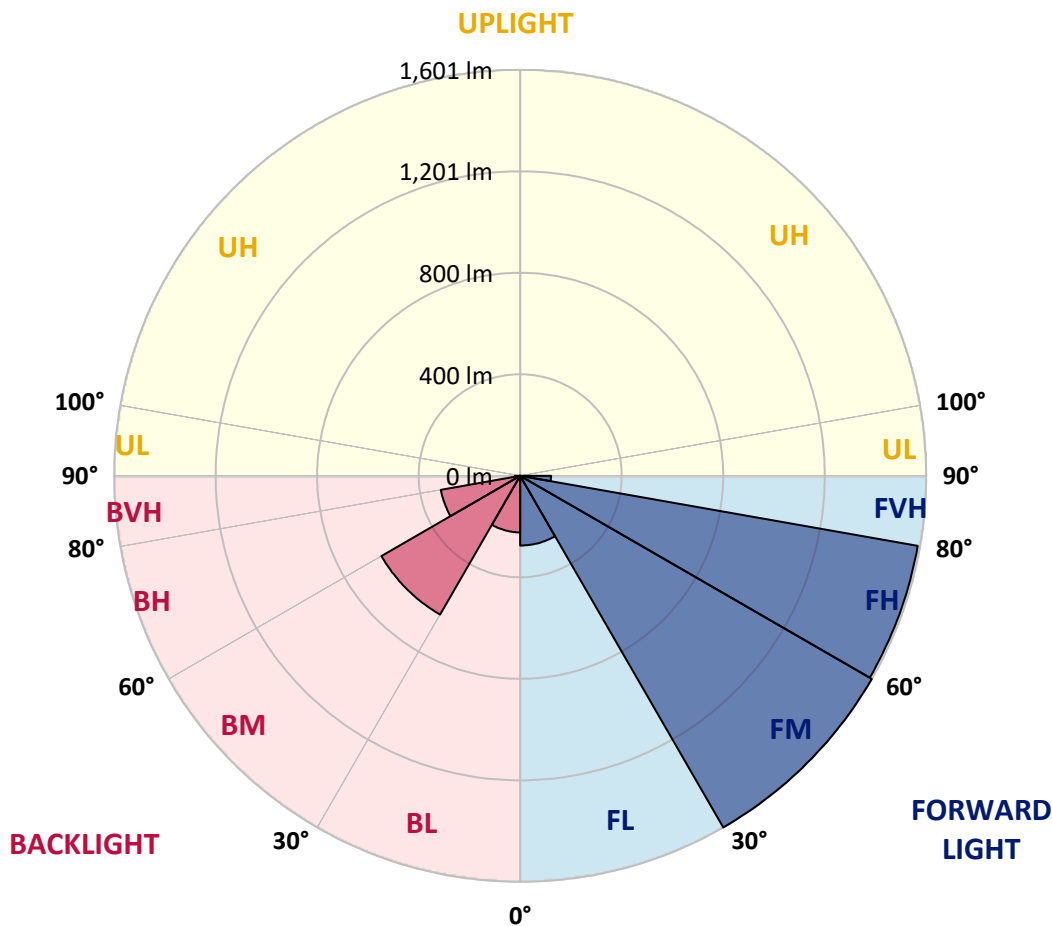


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.8	5.7			
FM (30°-60°)	1600.9	33.5			
FH (60°-80°)	1591.6	33.3			G1/1800
FVH (80°-90°)	121.6	2.5			G2/225
BL (0°-30°)	223.0	4.7	B1/500		
BM (30°-60°)	631.8	13.2	B1/1000		
BH (60°-80°)	317.3	6.6	B1/500		G1/500
BVH (80°-90°)	20.9	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-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0
2.5°	498.0	501.0	500.0	501.0	501.0	497.0	495.0	491.0	491.0	491.0	489.0
5°	518.0	520.0	517.0	518.0	518.0	514.0	509.0	503.0	501.0	497.0	494.0
7.5°	531.0	535.0	536.0	537.0	537.0	536.0	532.0	525.0	520.0	517.0	510.0
10°	551.0	551.0	554.0	557.0	563.0	563.0	557.0	552.0	549.0	544.0	532.0
12.5°	561.0	563.0	566.0	571.0	578.0	584.0	581.0	577.0	573.0	569.0	555.0
15°	568.0	568.0	573.0	583.0	594.0	599.0	601.0	601.0	599.0	595.0	580.0
17.5°	580.0	580.0	586.0	597.0	606.0	616.0	627.0	631.0	633.0	627.0	614.0
20°	601.0	603.0	606.0	613.0	621.0	637.0	657.0	669.0	670.0	666.0	655.0
22.5°	622.0	621.0	623.0	632.0	645.0	665.0	690.0	709.0	711.0	711.0	702.0
25°	651.0	648.0	647.0	655.0	672.0	696.0	725.0	749.0	757.0	759.0	768.0
27.5°	680.0	684.0	680.0	687.0	701.0	730.0	768.0	803.0	814.0	819.0	858.0
30°	757.0	761.0	746.0	729.0	738.0	771.0	816.0	869.0	884.0	904.0	966.1
32.5°	863.0	862.0	862.0	821.0	786.0	820.0	867.0	932.1	964.1	1013.1	1087.1
35°	959.1	959.1	956.1	925.1	881.0	867.0	925.1	1007.1	1061.1	1157.1	1213.1
37.5°	1043.1	1046.1	1050.1	1016.1	989.1	952.1	990.1	1093.1	1178.1	1299.1	1350.1
40°	1117.1	1117.1	1132.1	1109.1	1090.1	1056.1	1059.1	1185.1	1311.1	1440.1	1477.1
42.5°	1175.1	1182.1	1203.1	1185.1	1189.1	1170.1	1144.1	1265.1	1435.1	1562.1	1596.1
45°	1222.1	1226.1	1245.1	1255.1	1282.1	1285.1	1257.1	1361.1	1557.1	1683.1	1704.1
47.5°	1256.1	1257.1	1274.1	1311.1	1365.1	1383.1	1372.1	1459.1	1678.1	1803.1	1807.1
50°	1272.1	1275.1	1310.1	1364.1	1447.1	1488.1	1508.1	1588.1	1805.1	1914.1	1914.1
52.5°	1286.1	1294.1	1339.1	1406.1	1518.1	1587.1	1619.1	1756.1	1931.1	2027.1	2023.1
55°	1295.1	1306.1	1350.1	1432.1	1567.1	1674.1	1725.1	1932.1	2092.1	2159.1	2128.1
57.5°	1239.1	1253.1	1331.1	1434.1	1600.1	1738.1	1841.1	2110.1	2273.1	2309.1	2234.1
60°	1146.1	1158.1	1247.1	1410.1	1593.1	1795.1	1968.1	2316.1	2479.1	2492.1	2347.1
62.5°	1050.1	1063.1	1147.1	1335.1	1546.1	1803.1	2085.1	2600.1	2759.2	2723.1	2473.1
65°	930.1	937.1	1024.1	1199.1	1453.1	1771.1	2176.1	2859.2	3055.2	3013.2	2597.1
67.5°	787.0	792.0	869.0	1033.1	1290.1	1674.1	2242.1	3056.2	3185.2	3134.2	2695.1
70°	598.0	590.0	653.0	821.0	1085.1	1496.1	2257.1	3122.2	3207.2	3168.2	2706.1
72.5°	325.0	325.0	409.0	545.0	786.0	1206.1	2200.1	3090.2	3140.2	3090.2	2605.1
75°	59.0	64.0	97.0	190.0	391.0	808.0	1922.1	2906.2	2983.2	2907.2	2402.1
77.5°	37.0	38.0	50.0	75.0	121.0	302.0	1257.1	2615.1	2726.1	2653.1	2081.1
80°	27.0	27.0	36.0	54.0	86.0	119.0	472.0	2024.1	2198.1	2178.1	1566.1
82.5°	19.0	20.0	26.0	39.0	59.0	83.0	139.0	943.1	1149.1	1177.1	752.0
85°	12.0	13.0	18.0	26.0	39.0	49.0	56.0	396.0	562.0	583.0	325.0
87.5°	6.0	7.0	11.0	17.0	24.0	29.0	27.0	25.0	26.0	29.0	15.0
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°	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0
2.5°	487.0	486.0	484.0	482.0	480.0	477.0	474.0	470.0	469.0	467.0	466.0
5°	492.0	489.0	485.0	481.0	476.0	470.0	465.0	461.0	459.0	458.0	459.0
7.5°	507.0	502.0	496.0	490.0	481.0	473.0	465.0	460.0	455.0	453.0	453.0
10°	528.0	522.0	513.0	502.0	490.0	480.0	470.0	461.0	454.0	451.0	451.0
12.5°	550.0	543.0	532.0	517.0	503.0	488.0	476.0	463.0	453.0	447.0	447.0
15°	575.0	568.0	552.0	538.0	523.0	506.0	487.0	467.0	451.0	440.0	439.0
17.5°	606.0	600.0	585.0	572.0	553.0	529.0	499.0	466.0	440.0	423.0	422.0
20°	651.0	644.0	631.0	614.0	584.0	546.0	502.0	460.0	425.0	402.0	401.0
22.5°	703.0	708.0	693.0	651.0	605.0	556.0	503.0	450.0	403.0	377.0	375.0
25°	779.0	785.0	742.0	680.0	620.0	553.0	493.0	432.0	373.0	345.0	343.0
27.5°	869.0	852.0	786.0	703.0	621.0	546.0	477.0	397.0	340.0	309.0	305.0
30°	964.1	937.1	834.0	719.0	612.0	531.0	439.0	357.0	315.0	288.0	283.0
32.5°	1067.1	1029.1	886.0	732.0	599.0	501.0	397.0	342.0	303.0	271.0	268.0
35°	1190.1	1127.1	939.1	736.0	578.0	460.0	362.0	333.0	293.0	258.0	253.0
37.5°	1308.1	1230.1	999.1	735.0	549.0	405.0	345.0	316.0	279.0	252.0	250.0
40°	1429.1	1336.1	1069.1	733.0	512.0	356.0	326.0	297.0	266.0	246.0	243.0
42.5°	1540.1	1433.1	1140.1	726.0	456.0	333.0	307.0	283.0	256.0	227.0	222.0
45°	1638.1	1524.1	1193.1	713.0	396.0	310.0	285.0	265.0	242.0	211.0	206.0
47.5°	1734.1	1605.1	1250.1	686.0	337.0	289.0	262.0	245.0	222.0	194.0	188.0
50°	1819.1	1677.1	1282.1	629.0	299.0	267.0	236.0	219.0	192.0	165.0	163.0
52.5°	1909.1	1779.1	1312.1	530.0	259.0	241.0	210.0	188.0	165.0	151.0	146.0
55°	2002.1	1883.1	1341.1	407.0	225.0	219.0	182.0	156.0	132.0	125.0	128.0
57.5°	2093.1	1961.1	1329.1	286.0	204.0	191.0	153.0	126.0	107.0	108.0	114.0
60°	2193.1	2022.1	1245.1	195.0	185.0	156.0	128.0	108.0	94.0	89.0	88.0
62.5°	2285.1	2059.1	1065.1	166.0	164.0	137.0	116.0	98.0	87.0	77.0	74.0
65°	2355.1	2043.1	836.0	151.0	148.0	131.0	111.0	93.0	81.0	66.0	63.0
67.5°	2362.1	1930.1	616.0	138.0	138.0	131.0	111.0	88.0	59.0	51.0	51.0
70°	2276.1	1708.1	402.0	132.0	133.0	129.0	107.0	71.0	55.0	39.0	37.0
72.5°	2115.1	1462.1	199.0	120.0	129.0	114.0	97.0	73.0	52.0	36.0	34.0
75°	1845.1	1147.1	103.0	110.0	107.0	100.0	97.0	74.0	49.0	29.0	26.0
77.5°	1502.1	690.0	86.0	99.0	86.0	93.0	87.0	70.0	46.0	28.0	26.0
80°	828.0	271.0	69.0	67.0	71.0	74.0	80.0	67.0	50.0	32.0	30.0
82.5°	334.0	60.0	38.0	45.0	49.0	62.0	72.0	65.0	48.0	32.0	31.0
85°	87.0	18.0	17.0	24.0	36.0	51.0	61.0	50.0	35.0	28.0	27.0
87.5°	6.0	6.0	8.0	12.0	12.0	6.0	1.0	1.0	1.0	1.0	2.0
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)