

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: P510903

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510903  
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-C10-D-UNV-T3-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 600mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

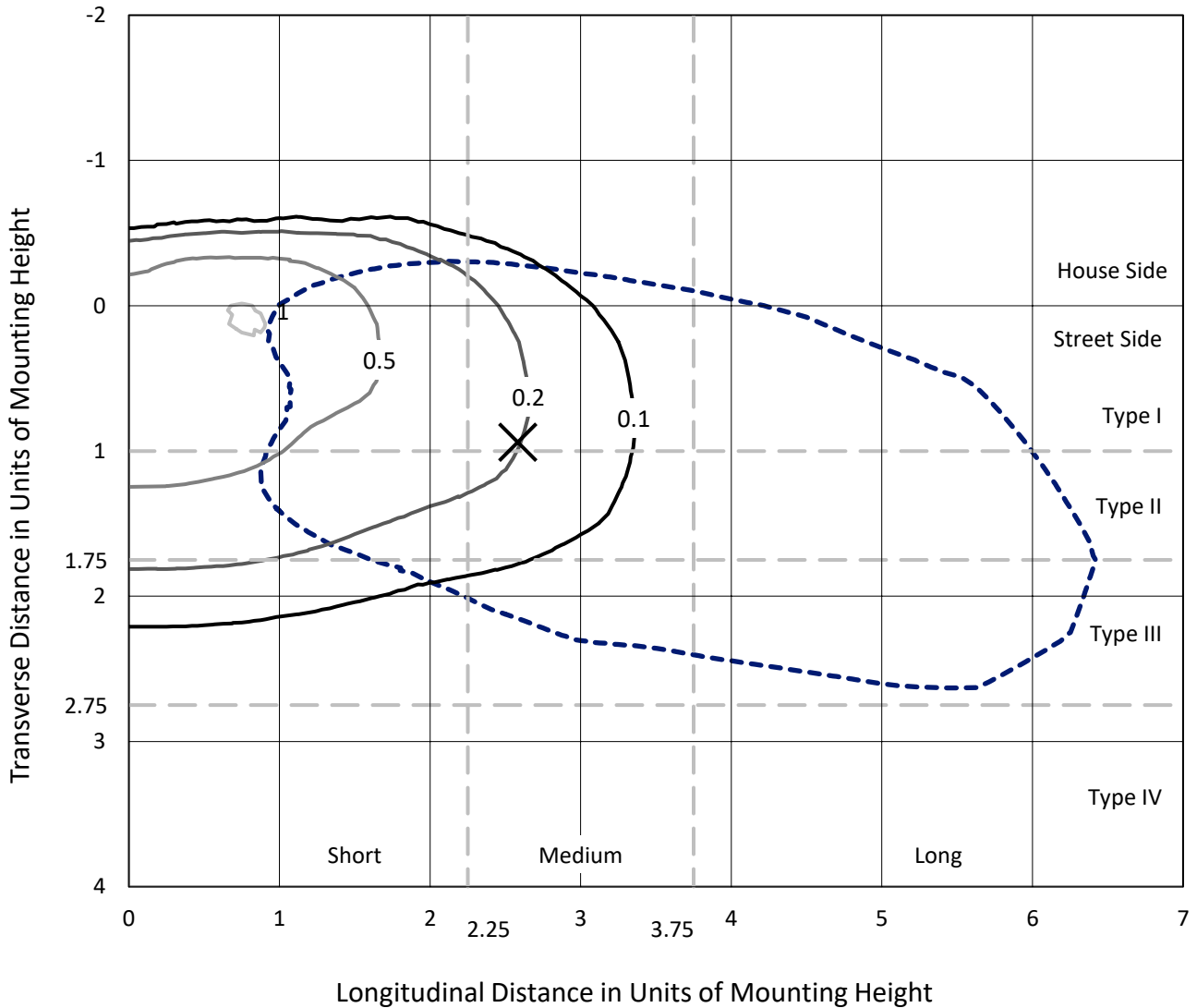
Lumens per Lamp: N/A  
Luminaire Lumens: 4406 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (Ain): 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

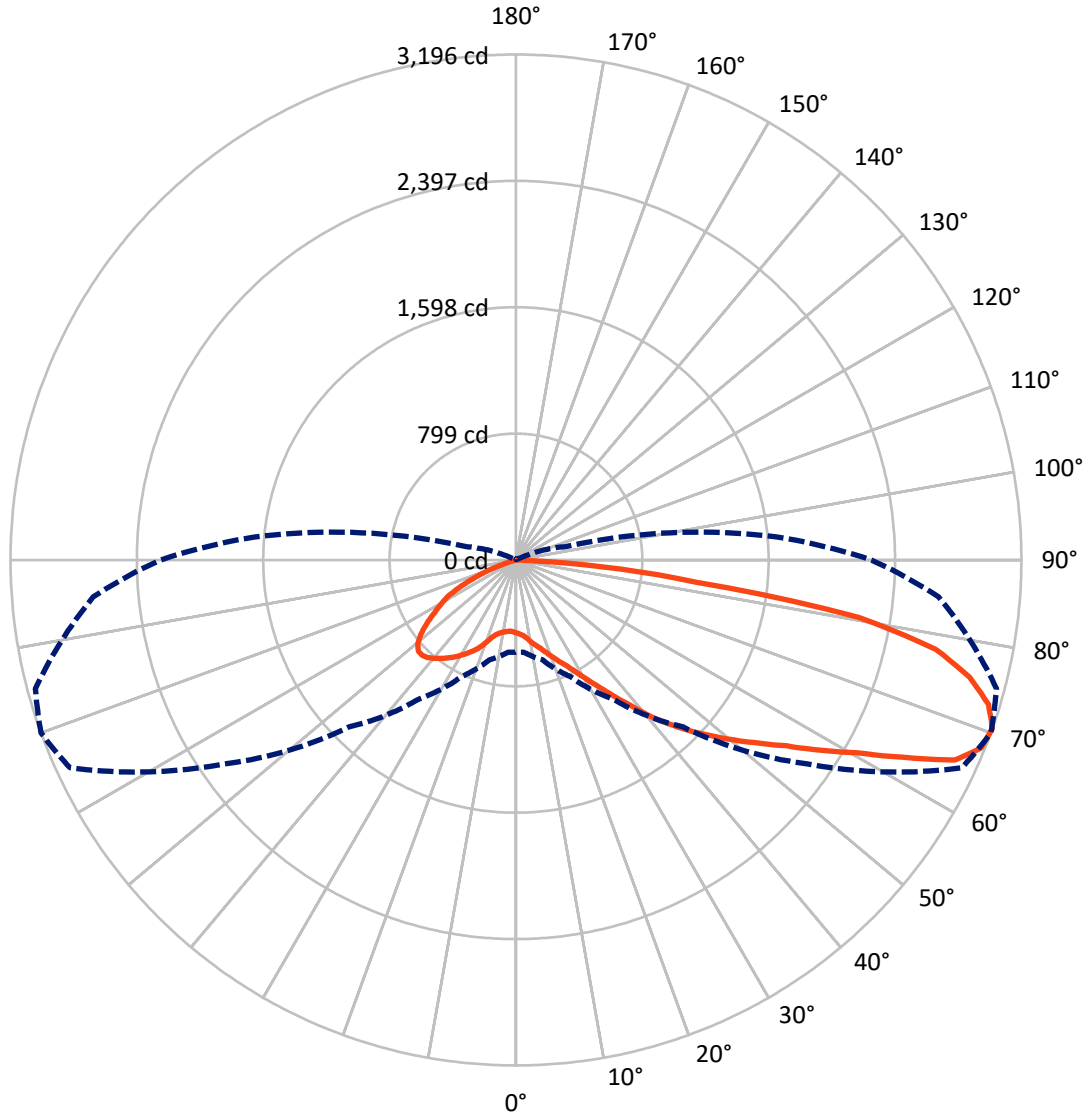
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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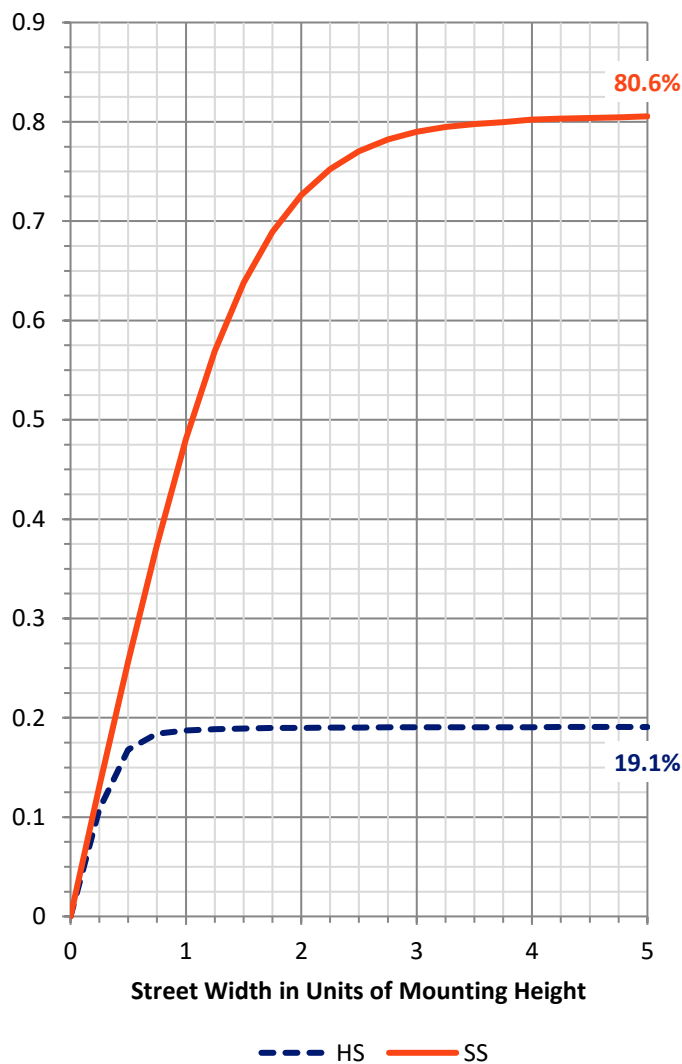
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	849.5	0.0	849.5
	% Fixture	19.3	0.0	19.3
<b>Street Side</b>	Lumens	3556.5	0.0	3556.5
	% Fixture	80.7	0.0	80.7
<b>Total</b>	Lumens	4406.0	0.0	4406.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	1.0
10°-20°	140.1	3.2
20°-30°	257.3	5.8
30°-40°	430.3	9.8
40°-50°	673.4	15.3
50°-60°	917.9	20.8
60°-70°	1068.8	24.3
70°-80°	747.3	17.0
80°-90°	126.5	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°	4406.0	100.0
0°-180°	4406.0	100.0

**Coefficient of Utilization**

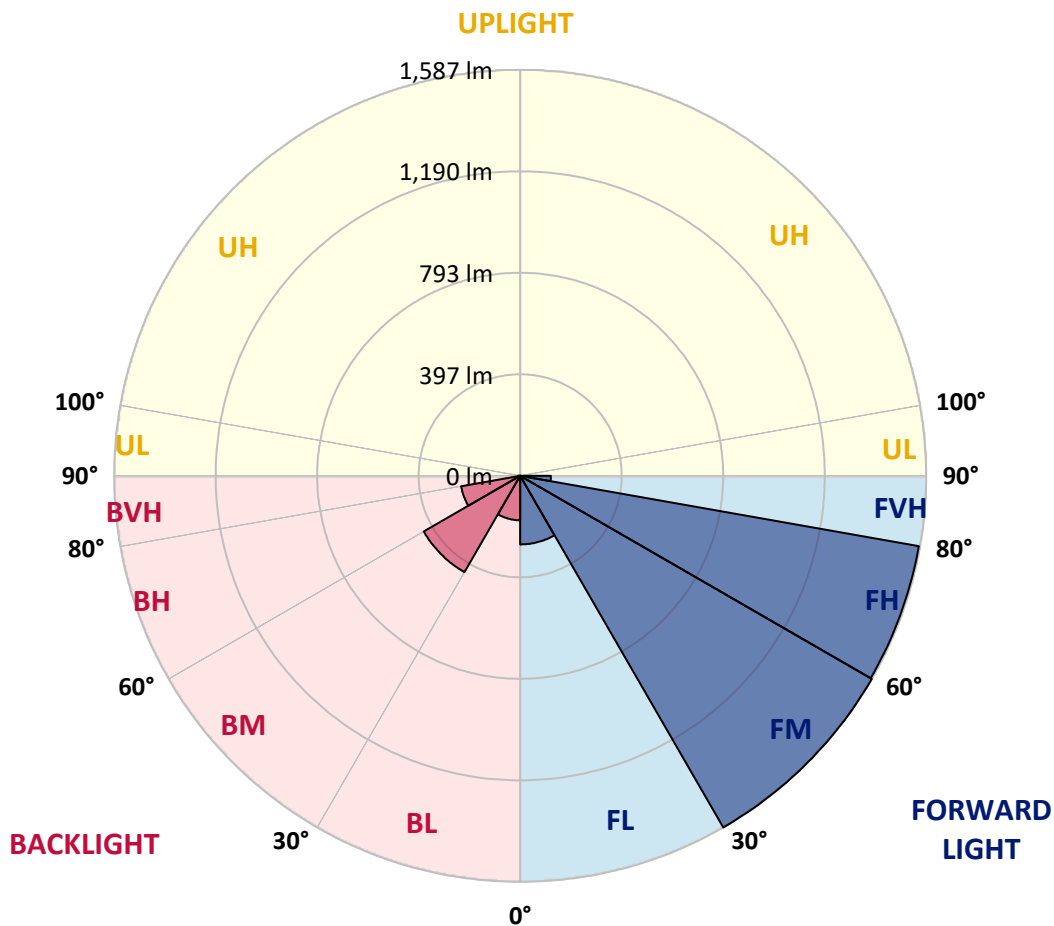


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.1	6.1			
FM (30°-60°)	1586.5	36.0			
FH (60°-80°)	1581.8	35.9			G1/1800
FVH (80°-90°)	120.0	2.7			G2/225
BL (0°-30°)	173.6	3.9	B1/500		
BM (30°-60°)	435.0	9.9	B1/1000		
BH (60°-80°)	234.3	5.3	B1/500		G1/500
BVH (80°-90°)	6.6	0.1			G0/10
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°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	478.0	481.0	480.0	481.0	480.0	477.0	473.0	469.0	468.0	467.0	464.0
5°	499.0	501.0	499.0	500.0	498.0	494.0	488.0	482.0	480.0	476.0	469.0
7.5°	517.0	519.0	519.0	522.0	521.0	519.0	512.0	505.0	499.0	495.0	486.0
10°	536.0	537.0	538.0	542.0	545.0	545.0	539.0	533.0	528.0	521.0	507.0
12.5°	548.0	549.0	551.0	556.0	563.0	567.0	564.0	558.0	553.0	547.0	529.0
15°	553.0	554.0	559.0	568.0	578.0	584.0	585.0	581.0	579.0	573.0	555.0
17.5°	566.0	568.0	571.0	583.0	591.0	601.0	610.0	616.0	614.0	608.0	589.0
20°	586.0	589.0	591.0	600.0	606.0	624.0	642.0	653.0	652.0	648.0	629.0
22.5°	611.0	612.0	614.0	620.0	631.0	651.0	676.0	689.0	695.0	691.0	676.0
25°	639.0	639.0	637.0	646.0	661.0	683.0	713.0	735.0	739.0	742.0	745.0
27.5°	672.0	673.0	670.0	678.0	692.0	718.0	755.0	786.0	798.0	802.0	831.0
30°	751.0	750.0	738.0	716.0	733.0	762.0	801.0	853.0	870.0	888.1	942.1
32.5°	854.0	852.0	852.0	804.0	777.0	809.0	853.0	919.1	951.1	1001.1	1062.1
35°	949.1	949.1	946.1	919.1	867.0	860.0	908.1	996.1	1049.1	1140.1	1190.1
37.5°	1033.1	1033.1	1038.1	1008.1	974.1	936.1	978.1	1079.1	1158.1	1277.1	1314.1
40°	1110.1	1113.1	1117.1	1102.1	1076.1	1045.1	1049.1	1171.1	1294.1	1424.1	1453.1
42.5°	1165.1	1173.1	1197.1	1179.1	1183.1	1164.1	1133.1	1258.1	1417.1	1546.1	1571.1
45°	1217.1	1220.1	1238.1	1249.1	1276.1	1268.1	1246.1	1347.1	1539.1	1669.1	1674.1
47.5°	1254.1	1254.1	1270.1	1307.1	1356.1	1371.1	1363.1	1447.1	1662.1	1778.1	1783.1
50°	1268.1	1270.1	1306.1	1359.1	1441.1	1471.1	1482.1	1577.1	1790.1	1897.1	1883.1
52.5°	1284.1	1291.1	1338.1	1404.1	1513.1	1573.1	1600.1	1748.1	1924.1	2015.1	1986.1
55°	1292.1	1305.1	1348.1	1430.1	1565.1	1660.1	1705.1	1910.1	2074.1	2136.1	2105.1
57.5°	1230.1	1251.1	1329.1	1431.1	1598.1	1731.1	1821.1	2092.1	2269.1	2286.1	2203.1
60°	1145.1	1155.1	1246.1	1407.1	1589.1	1788.1	1955.1	2310.1	2473.1	2480.1	2323.1
62.5°	1052.1	1052.1	1141.1	1326.1	1548.1	1796.1	2077.1	2582.1	2748.2	2689.2	2449.1
65°	929.1	936.1	1024.1	1193.1	1456.1	1764.1	2170.1	2850.2	3050.2	2994.2	2574.1
67.5°	775.0	781.0	860.0	1020.1	1284.1	1669.1	2233.1	3050.2	3173.2	3123.2	2669.2
70°	582.0	586.0	654.0	813.0	1074.1	1492.1	2249.1	3111.2	3196.2	3146.2	2683.2
72.5°	329.0	319.0	398.0	535.0	777.0	1213.1	2187.1	3076.2	3124.2	3069.2	2575.1
75°	50.0	59.0	85.0	197.0	399.0	796.0	1931.1	2909.2	2963.2	2898.2	2376.1
77.5°	36.0	37.0	48.0	72.0	121.0	292.0	1230.1	2616.1	2714.2	2635.1	2060.1
80°	26.0	26.0	34.0	51.0	82.0	113.0	475.0	1942.1	2197.1	2167.1	1542.1
82.5°	18.0	19.0	24.0	37.0	57.0	80.0	137.0	930.1	1145.1	1176.1	758.0
85°	12.0	12.0	17.0	26.0	38.0	49.0	55.0	401.0	543.0	565.0	317.0
87.5°	7.0	7.0	10.0	16.0	24.0	30.0	27.0	32.0	28.0	26.0	14.0
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°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	462.0	460.0	456.0	453.0	449.0	444.0	439.0	437.0	432.0	431.0	428.0
5°	466.0	462.0	455.0	447.0	437.0	427.0	416.0	410.0	405.0	401.0	404.0
7.5°	480.0	473.0	462.0	448.0	431.0	415.0	401.0	389.0	382.0	379.0	379.0
10°	499.0	490.0	472.0	451.0	428.0	407.0	386.0	370.0	359.0	354.0	353.0
12.5°	520.0	509.0	485.0	456.0	428.0	399.0	375.0	353.0	338.0	331.0	330.0
15°	542.0	530.0	501.0	468.0	435.0	401.0	368.0	339.0	318.0	306.0	305.0
17.5°	575.0	561.0	527.0	492.0	452.0	409.0	366.0	324.0	291.0	275.0	273.0
20°	615.0	601.0	571.0	525.0	472.0	415.0	355.0	301.0	262.0	241.0	241.0
22.5°	666.0	667.0	623.0	556.0	484.0	411.0	342.0	276.0	223.0	196.0	194.0
25°	745.0	740.0	672.0	580.0	490.0	398.0	317.0	231.0	169.0	143.0	138.0
27.5°	836.0	810.0	717.0	599.0	485.0	383.0	278.0	173.0	113.0	90.0	87.0
30°	926.1	889.1	761.0	617.0	475.0	351.0	215.0	108.0	72.0	60.0	58.0
32.5°	1033.1	981.1	813.0	630.0	463.0	302.0	145.0	68.0	47.0	40.0	38.0
35°	1151.1	1074.1	866.0	635.0	439.0	237.0	84.0	42.0	29.0	29.0	30.0
37.5°	1273.1	1189.1	925.1	634.0	397.0	158.0	52.0	24.0	24.0	29.0	31.0
40°	1392.1	1289.1	987.1	626.0	332.0	91.0	27.0	20.0	22.0	27.0	28.0
42.5°	1505.1	1379.1	1052.1	610.0	247.0	51.0	21.0	19.0	21.0	23.0	23.0
45°	1605.1	1477.1	1105.1	586.0	155.0	27.0	20.0	18.0	18.0	19.0	20.0
47.5°	1693.1	1559.1	1150.1	539.0	83.0	25.0	19.0	17.0	16.0	17.0	17.0
50°	1781.1	1631.1	1168.1	464.0	39.0	25.0	19.0	16.0	15.0	18.0	18.0
52.5°	1866.1	1713.1	1162.1	364.0	28.0	23.0	18.0	16.0	15.0	19.0	20.0
55°	1958.1	1792.1	1152.1	231.0	28.0	22.0	17.0	14.0	14.0	14.0	15.0
57.5°	2046.1	1863.1	1135.1	97.0	27.0	20.0	15.0	12.0	11.0	12.0	12.0
60°	2142.1	1942.1	1061.1	39.0	26.0	18.0	13.0	11.0	9.0	10.0	10.0
62.5°	2244.1	1992.1	931.1	31.0	24.0	16.0	11.0	9.0	8.0	8.0	9.0
65°	2320.1	1993.1	732.0	27.0	23.0	14.0	10.0	8.0	7.0	7.0	7.0
67.5°	2329.1	1878.1	534.0	24.0	21.0	12.0	8.0	7.0	6.0	5.0	6.0
70°	2247.1	1659.1	326.0	23.0	18.0	10.0	7.0	6.0	5.0	4.0	5.0
72.5°	2085.1	1414.1	128.0	21.0	16.0	8.0	6.0	6.0	4.0	3.0	3.0
75°	1830.1	1104.1	32.0	19.0	14.0	7.0	5.0	5.0	4.0	2.0	2.0
77.5°	1470.1	649.0	24.0	16.0	12.0	5.0	4.0	4.0	2.0	2.0	2.0
80°	821.0	245.0	18.0	11.0	7.0	4.0	2.0	2.0	2.0	2.0	2.0
82.5°	326.0	51.0	13.0	6.0	4.0	2.0	1.0	1.0	1.0	2.0	2.0
85°	70.0	16.0	8.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0
87.5°	5.0	5.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
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)