

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: P511306

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511306  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-6)  
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-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

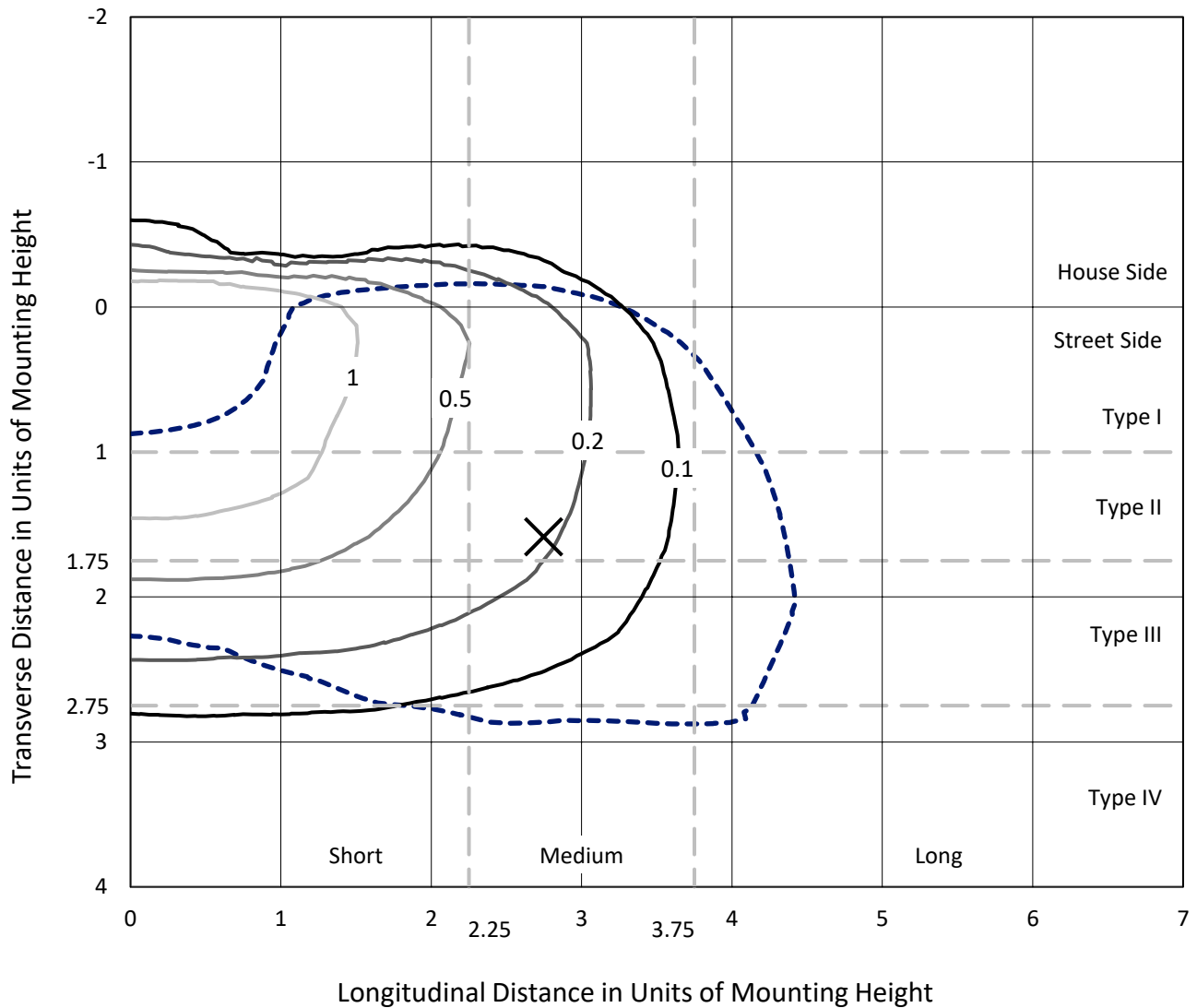
Lumens per Lamp: N/A  
Luminaire Lumens: 7781 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93.4  
Input Voltage (V): NR  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

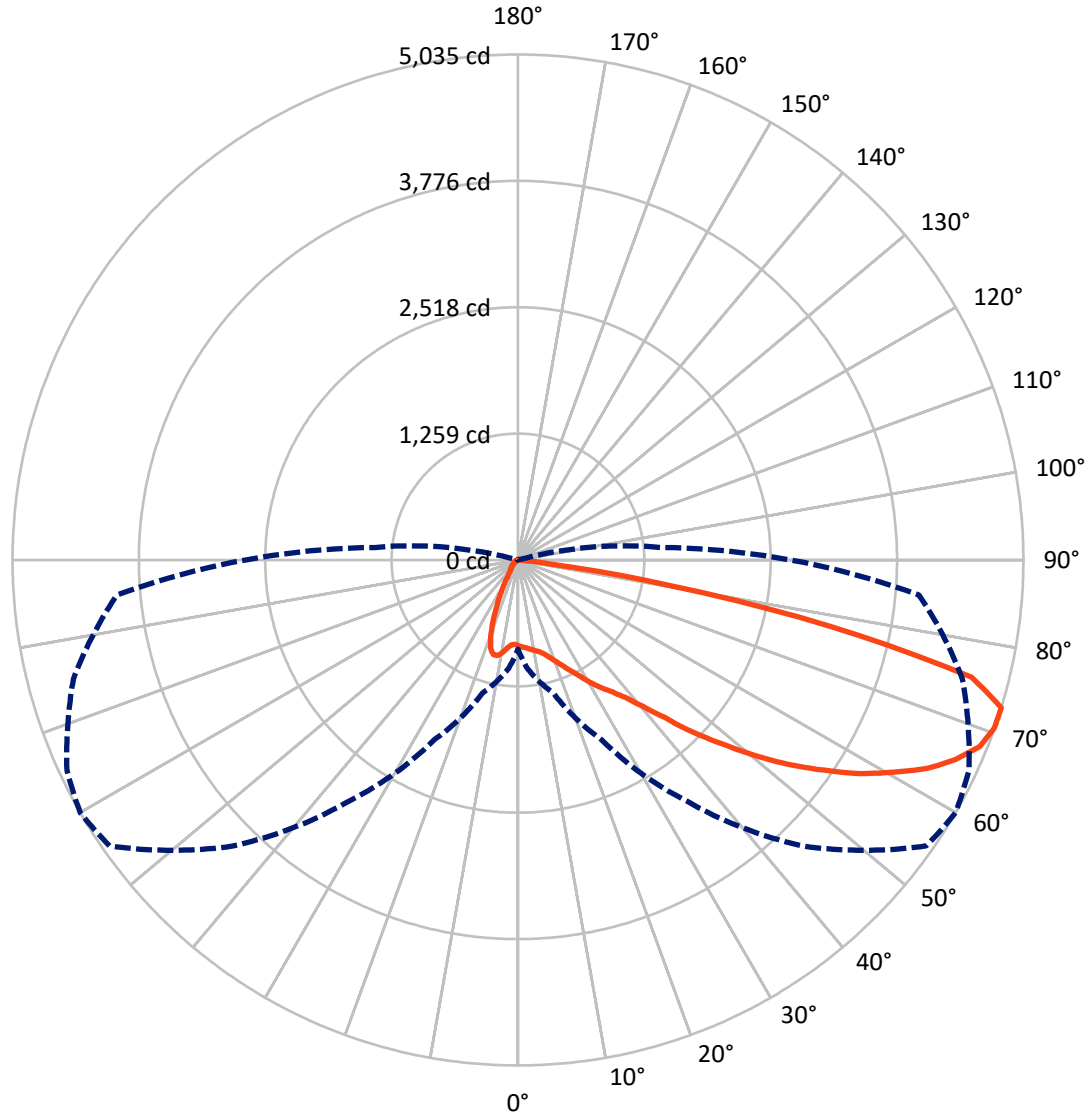
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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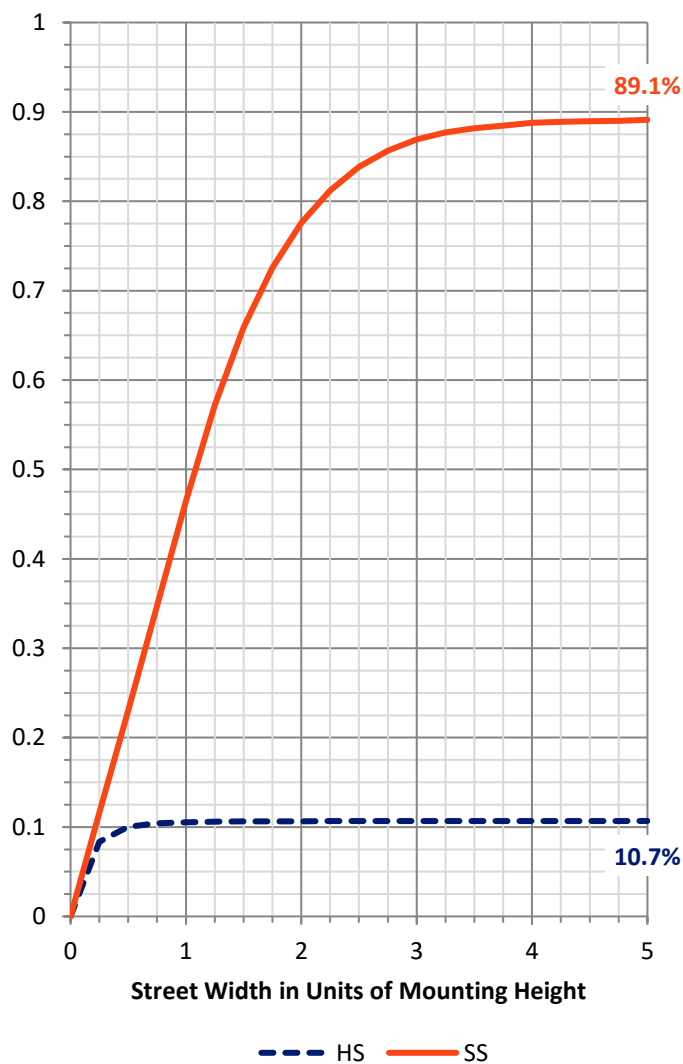
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	838.8	0.0	838.8
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	6942.2	0.0	6942.2
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	7781.0	0.0	7781.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.7	1.1
10°-20°	226.1	2.9
20°-30°	373.2	4.8
30°-40°	658.7	8.5
40°-50°	1156.0	14.9
50°-60°	1812.1	23.3
60°-70°	2135.5	27.4
70°-80°	1275.9	16.4
80°-90°	60.9	0.8
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°	7781.0	100.0
0°-180°	7781.0	100.0

**Coefficient of Utilization**



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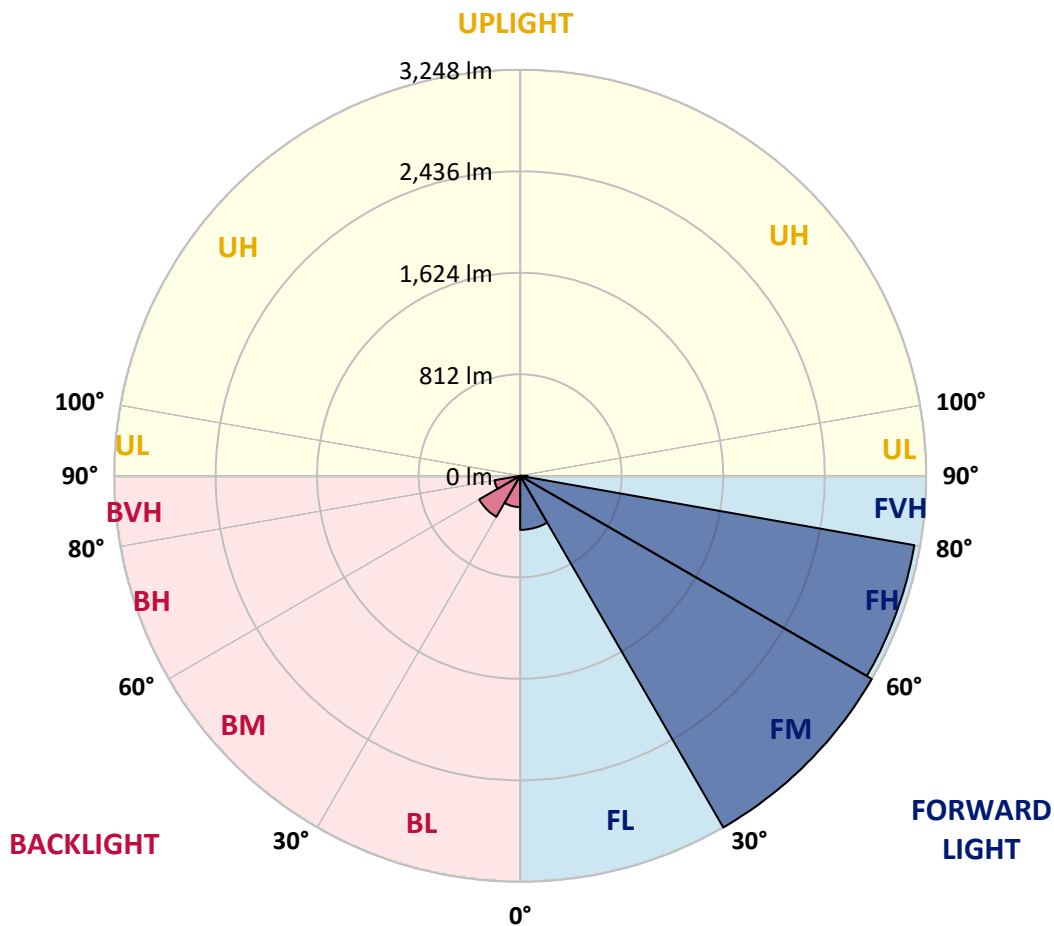
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.9	5.6			
FM (30°-60°)	3248.2	41.7			
FH (60°-80°)	3202.7	41.2			G2/5000
FVH (80°-90°)	59.4	0.8			G1/100
BL (0°-30°)	250.0	3.2	B1/500		
BM (30°-60°)	378.6	4.9	B1/1000		
BH (60°-80°)	208.7	2.7	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4
2.5°	877.3	879.5	870.4	879.5	875.0	875.0	872.7	868.1	863.5	861.3	861.3
5°	863.5	863.5	856.7	872.7	877.3	879.5	881.8	879.5	881.8	870.4	870.4
7.5°	797.3	799.6	806.4	827.0	847.6	872.7	897.8	897.8	902.4	904.7	900.1
10°	776.7	776.7	776.7	804.1	822.4	865.8	900.1	916.1	927.5	936.6	948.1
12.5°	769.9	767.6	776.7	808.7	836.1	872.7	920.7	936.6	954.9	982.3	998.3
15°	769.9	769.9	772.2	808.7	847.6	897.8	945.8	968.6	989.2	1028.0	1050.9
17.5°	790.4	788.2	790.4	820.1	856.7	922.9	996.0	1018.9	1041.7	1078.3	1112.6
20°	811.0	808.7	806.4	838.4	875.0	952.6	1041.7	1076.0	1114.8	1142.3	1172.0
22.5°	847.6	845.3	836.1	856.7	897.8	989.2	1098.8	1144.5	1183.4	1210.8	1235.9
25°	973.2	966.3	934.4	911.5	941.2	1025.7	1158.2	1222.2	1270.2	1290.7	1304.5
27.5°	1194.8	1203.9	1133.1	1041.7	1002.9	1080.6	1229.1	1306.7	1359.3	1375.3	1359.3
30°	1503.2	1489.5	1402.7	1279.3	1146.8	1149.1	1322.7	1414.1	1475.8	1482.6	1441.5
32.5°	1775.1	1772.8	1681.4	1546.6	1347.9	1270.2	1400.4	1514.6	1587.7	1587.7	1519.2
35°	2012.7	2001.2	1916.7	1802.5	1612.9	1446.1	1500.9	1610.6	1704.2	1699.7	1617.4
37.5°	2200.0	2195.4	2145.2	2040.1	1882.4	1679.1	1633.4	1738.5	1861.9	1855.0	1754.5
40°	2398.7	2403.3	2387.3	2282.2	2117.7	1955.5	1845.9	1919.0	2040.1	2049.2	1944.1
42.5°	2650.0	2656.9	2624.9	2524.4	2378.2	2236.5	2136.0	2147.4	2263.9	2277.7	2129.2
45°	2956.2	2953.9	2917.3	2821.4	2679.7	2542.7	2467.3	2449.0	2503.8	2535.8	2385.0
47.5°	3191.5	3196.0	3198.3	3164.0	3020.1	2924.2	2803.1	2736.8	2798.5	2816.8	2638.6
50°	3378.8	3445.0	3419.9	3454.2	3387.9	3330.8	3138.9	3063.5	3109.2	3132.1	2931.0
52.5°	3513.6	3566.1	3593.5	3696.3	3719.2	3769.4	3477.0	3385.6	3397.1	3410.8	3196.0
55°	3467.9	3499.9	3652.9	3835.7	4027.6	4189.8	3778.6	3696.3	3694.1	3698.6	3522.7
57.5°	3333.1	3381.1	3643.8	3874.5	4242.3	4479.9	4107.5	4016.2	4016.2	3947.6	3858.5
60°	3170.9	3200.6	3525.0	3856.3	4358.8	4662.7	4368.0	4292.6	4290.3	4196.6	4221.8
62.5°	2972.1	2988.1	3269.1	3742.0	4310.9	4649.0	4623.8	4575.9	4553.0	4404.5	4507.3
65°	2716.3	2718.6	2958.4	3525.0	4180.7	4623.8	4788.3	4790.6	4774.6	4591.9	4756.3
67.5°	2302.8	2348.5	2554.1	3159.5	3943.1	4569.0	4891.1	4959.7	4934.5	4708.4	4802.0
70°	1765.9	1823.0	2094.9	2622.6	3577.5	4429.7	4982.5	5030.5	4991.7	4724.4	4635.3
72.5°	888.7	1085.1	1375.3	1976.1	2931.0	4032.2	4966.5	5035.1	4957.4	4585.0	4009.3
75°	146.2	162.2	370.1	911.5	1839.0	3232.6	4601.0	4667.3	4546.2	3824.3	2595.2
77.5°	91.4	98.2	150.8	383.8	626.0	1564.9	3296.5	3189.2	3184.6	2289.1	1105.7
80°	54.8	57.1	80.0	173.6	335.8	331.3	1599.2	1523.8	1370.7	589.4	226.2
82.5°	32.0	34.3	59.4	89.1	185.0	111.9	244.4	317.5	340.4	118.8	45.7
85°	2.3	2.3	18.3	41.1	43.4	25.1	29.7	50.3	45.7	57.1	20.6
87.5°	0.0	0.0	0.0	2.3	4.6	4.6	6.9	6.9	6.9	9.1	6.9
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°	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4
2.5°	854.4	859.0	847.6	845.3	836.1	838.4	840.7	838.4	838.4	840.7	843.0
5°	865.8	863.5	854.4	852.1	845.3	849.8	852.1	854.4	859.0	856.7	856.7
7.5°	893.2	895.5	886.4	886.4	881.8	881.8	877.3	872.7	870.4	865.8	875.0
10°	945.8	948.1	941.2	938.9	929.8	909.2	868.1	817.9	765.3	744.7	751.6
12.5°	993.8	1007.5	998.3	991.5	954.9	868.1	721.9	594.0	518.6	472.9	477.5
15°	1050.9	1062.3	1057.7	1032.6	918.4	696.8	486.6	347.2	292.4	262.7	271.9
17.5°	1110.3	1121.7	1112.6	1050.9	799.6	477.5	283.3	212.5	198.8	191.9	194.2
20°	1174.2	1185.7	1165.1	1007.5	610.0	299.3	191.9	182.8	180.5	180.5	180.5
22.5°	1238.2	1249.6	1217.6	909.2	420.3	196.5	175.9	171.3	169.1	164.5	166.8
25°	1293.0	1318.2	1254.2	765.3	255.9	171.3	164.5	159.9	153.1	148.5	150.8
27.5°	1357.0	1379.8	1242.8	589.4	180.5	159.9	150.8	141.6	134.8	130.2	130.2
30°	1430.1	1452.9	1187.9	386.1	157.6	146.2	134.8	123.4	111.9	107.4	107.4
32.5°	1505.5	1523.8	1098.8	235.3	141.6	130.2	116.5	100.5	89.1	82.2	82.2
35°	1603.7	1606.0	991.5	157.6	125.6	111.9	95.9	80.0	66.3	61.7	61.7
37.5°	1733.9	1718.0	859.0	130.2	109.7	93.7	75.4	59.4	50.3	45.7	48.0
40°	1909.8	1836.7	703.6	114.2	95.9	77.7	57.1	43.4	36.6	36.6	36.6
42.5°	2094.9	1957.8	532.3	105.1	84.5	61.7	41.1	32.0	29.7	29.7	29.7
45°	2314.2	2074.3	347.2	93.7	70.8	48.0	29.7	22.8	22.8	25.1	25.1
47.5°	2533.5	2177.1	207.9	82.2	59.4	36.6	22.8	18.3	18.3	20.6	22.8
50°	2780.2	2266.2	139.4	73.1	50.3	27.4	18.3	16.0	16.0	20.6	20.6
52.5°	3029.3	2321.1	109.7	61.7	38.8	22.8	16.0	13.7	13.7	18.3	18.3
55°	3239.4	2366.8	93.7	52.5	29.7	18.3	16.0	13.7	13.7	16.0	18.3
57.5°	3440.5	2382.7	80.0	43.4	22.8	18.3	13.7	11.4	11.4	16.0	16.0
60°	3600.4	2371.3	68.5	34.3	20.6	16.0	11.4	9.1	9.1	13.7	16.0
62.5°	3710.0	2332.5	52.5	25.1	18.3	16.0	11.4	6.9	9.1	11.4	13.7
65°	3767.2	2250.2	38.8	20.6	16.0	13.7	9.1	6.9	6.9	9.1	9.1
67.5°	3662.1	2120.0	29.7	16.0	13.7	13.7	9.1	4.6	4.6	6.9	6.9
70°	3367.4	1925.8	25.1	13.7	11.4	11.4	6.9	4.6	2.3	4.6	4.6
72.5°	2716.3	1430.1	20.6	11.4	9.1	9.1	6.9	2.3	2.3	2.3	4.6
75°	1660.8	468.3	13.7	9.1	6.9	6.9	4.6	2.3	2.3	2.3	2.3
77.5°	648.8	116.5	9.1	4.6	4.6	4.6	2.3	2.3	0.0	2.3	2.3
80°	121.1	22.8	4.6	4.6	2.3	2.3	2.3	0.0	0.0	2.3	2.3
82.5°	29.7	6.9	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0	2.3
85°	9.1	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
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)