

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: P511171

Luminaire Tested: **PRV-P-PA1B-740-U-T3-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511171  
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-PA1B-740-U-T3-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

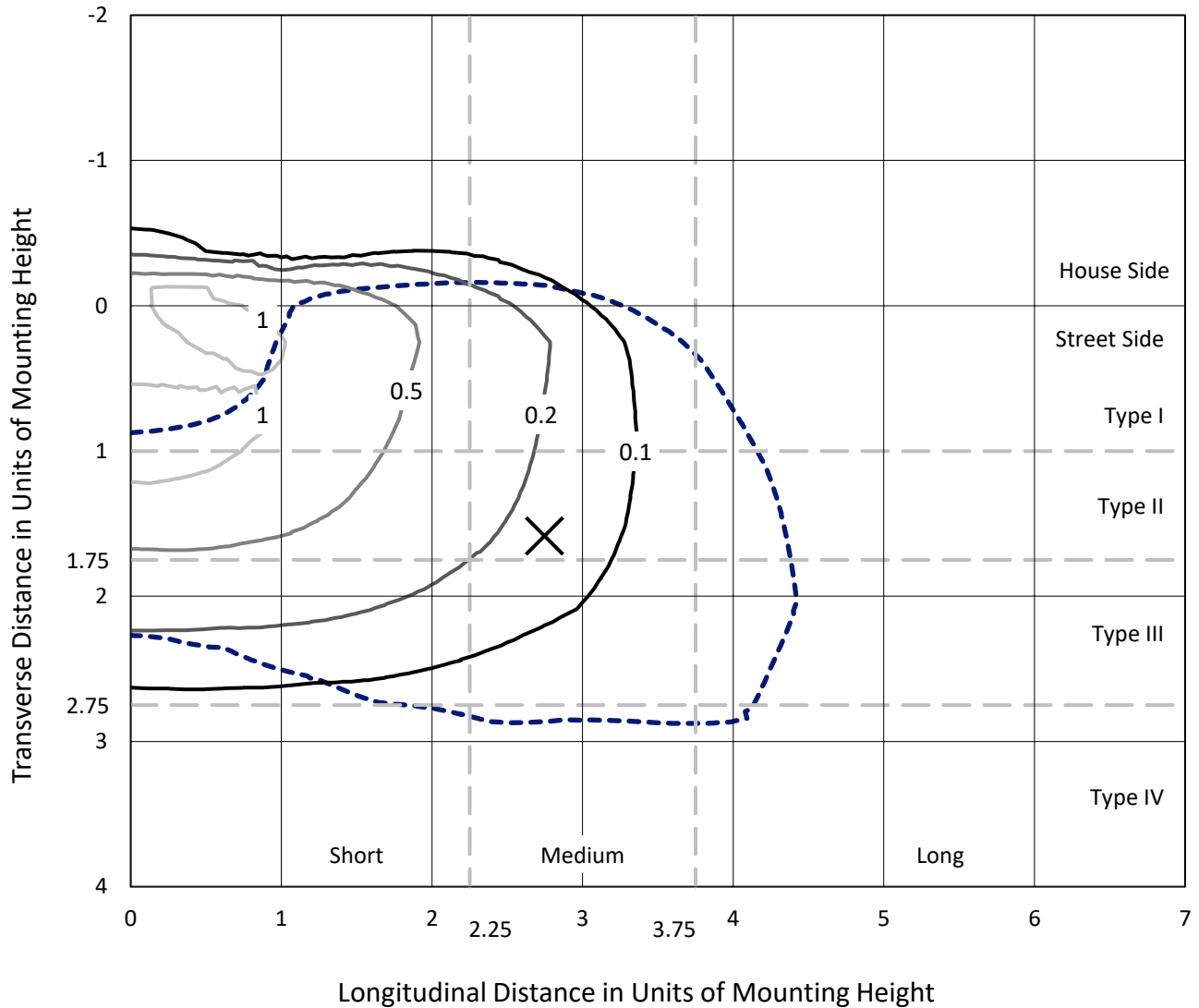
Lumens per Lamp: N/A  
Luminaire Lumens: 5566 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 52.8  
Input Voltage (V): NR  
Input Current (Ain): 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

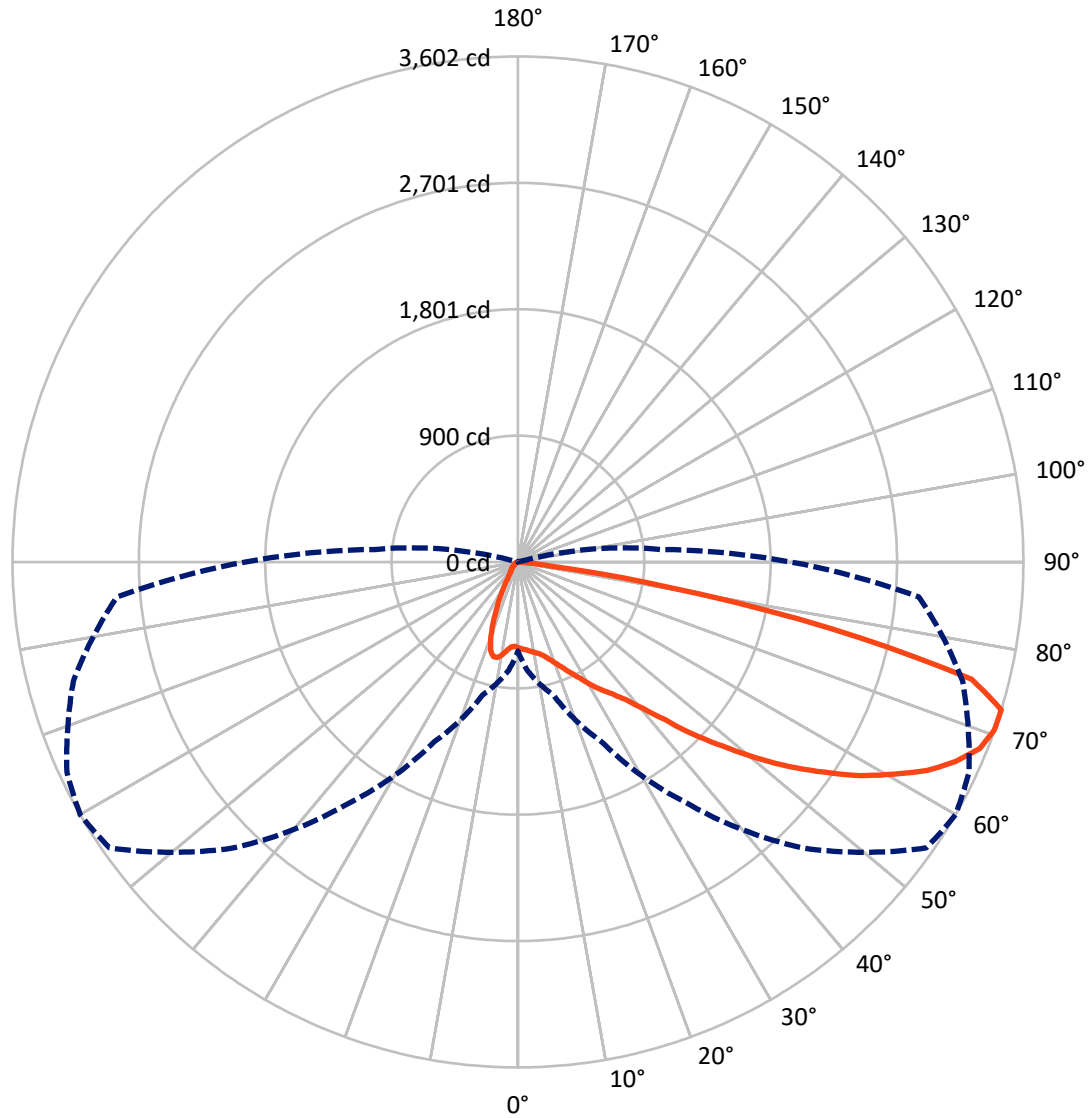
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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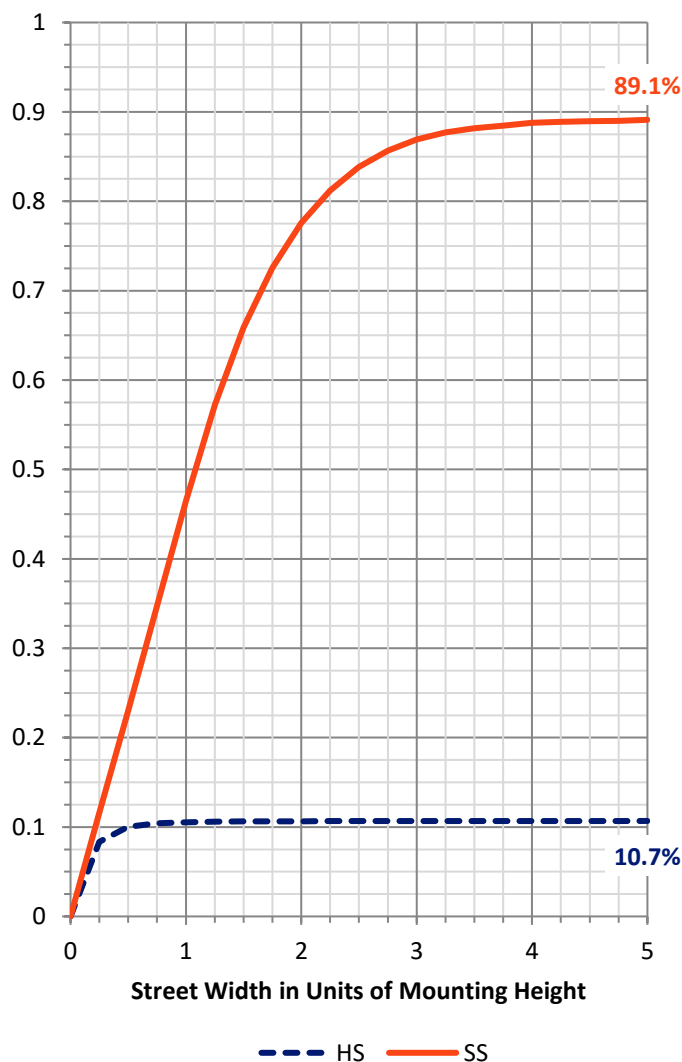
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.0	0.0	600.0
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	4966.0	0.0	4966.0
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	5566.0	0.0	5566.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.1	1.1
10°-20°	161.7	2.9
20°-30°	266.9	4.8
30°-40°	471.2	8.5
40°-50°	826.9	14.9
50°-60°	1296.3	23.3
60°-70°	1527.6	27.4
70°-80°	912.7	16.4
80°-90°	43.5	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°	5566.0	100.0
0°-180°	5566.0	100.0

**Coefficient of Utilization**

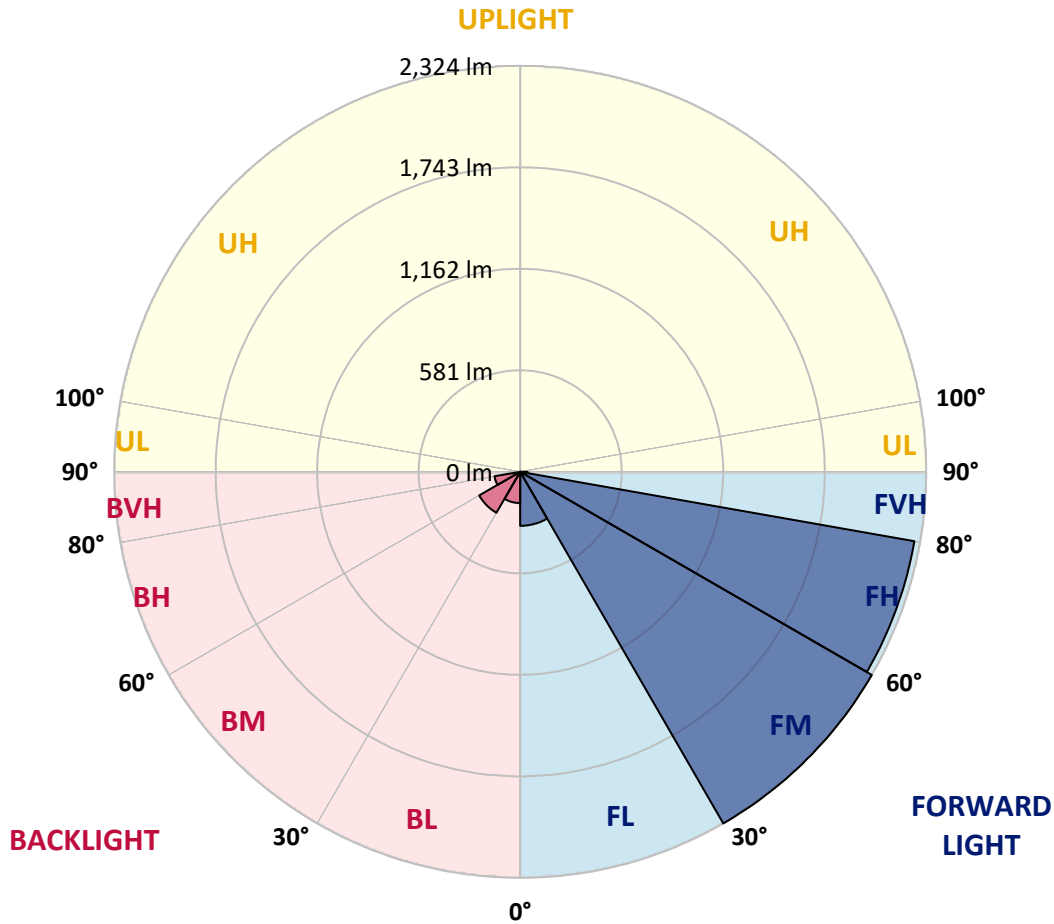


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.0	5.6			
FM (30°-60°)	2323.5	41.7			
FH (60°-80°)	2291.0	41.2			G2/5000
FVH (80°-90°)	42.5	0.8			G1/100
BL (0°-30°)	178.8	3.2	B1/500		
BM (30°-60°)	270.8	4.9	B1/1000		
BH (60°-80°)	149.3	2.7	B1/500		G1/500
BVH (80°-90°)	1.0	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°	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2
2.5°	627.5	629.2	622.6	629.2	625.9	625.9	624.3	621.0	617.7	616.1	616.1
5°	617.7	617.7	612.8	624.3	627.5	629.2	630.8	629.2	630.8	622.6	622.6
7.5°	570.3	572.0	576.9	591.6	606.3	624.3	642.2	642.2	645.5	647.1	643.9
10°	555.6	555.6	555.6	575.2	588.3	619.4	643.9	655.3	663.5	670.0	678.2
12.5°	550.7	549.1	555.6	578.5	598.1	624.3	658.6	670.0	683.1	702.7	714.1
15°	550.7	550.7	552.4	578.5	606.3	642.2	676.6	692.9	707.6	735.4	751.7
17.5°	565.4	563.8	565.4	586.7	612.8	660.2	712.5	728.8	745.2	771.3	795.8
20°	580.1	578.5	576.9	599.7	625.9	681.5	745.2	769.7	797.5	817.1	838.3
22.5°	606.3	604.6	598.1	612.8	642.2	707.6	786.0	818.7	846.5	866.1	884.1
25°	696.2	691.3	668.4	652.0	673.3	733.7	828.5	874.3	908.6	923.3	933.1
27.5°	854.7	861.2	810.6	745.2	717.4	773.0	879.2	934.8	972.3	983.8	972.3
30°	1075.3	1065.5	1003.4	915.1	820.4	822.0	946.2	1011.6	1055.7	1060.6	1031.2
32.5°	1269.8	1268.1	1202.8	1106.3	964.2	908.6	1001.8	1083.5	1135.8	1135.8	1086.7
35°	1439.7	1431.5	1371.1	1289.4	1153.7	1034.4	1073.7	1152.1	1219.1	1215.8	1157.0
37.5°	1573.7	1570.4	1534.5	1459.3	1346.6	1201.1	1168.4	1243.6	1331.9	1327.0	1255.1
40°	1715.9	1719.2	1707.7	1632.5	1514.9	1398.9	1320.4	1372.7	1459.3	1465.9	1390.7
42.5°	1895.7	1900.6	1877.7	1805.8	1701.2	1599.9	1528.0	1536.1	1619.5	1629.3	1523.1
45°	2114.6	2113.0	2086.9	2018.2	1916.9	1818.8	1764.9	1751.8	1791.1	1813.9	1706.1
47.5°	2283.0	2286.2	2287.9	2263.3	2160.4	2091.8	2005.1	1957.8	2001.9	2014.9	1887.5
50°	2417.0	2464.3	2446.4	2470.9	2423.5	2382.6	2245.4	2191.4	2224.1	2240.5	2096.7
52.5°	2513.4	2551.0	2570.6	2644.1	2660.4	2696.4	2487.2	2421.9	2430.0	2439.8	2286.2
55°	2480.7	2503.6	2613.1	2743.8	2881.1	2997.1	2702.9	2644.1	2642.5	2645.7	2519.9
57.5°	2384.3	2418.6	2606.5	2771.6	3034.7	3204.6	2938.3	2872.9	2872.9	2823.9	2760.1
60°	2268.2	2289.5	2521.5	2758.5	3118.0	3335.4	3124.6	3070.6	3069.0	3002.0	3020.0
62.5°	2126.1	2137.5	2338.5	2676.8	3083.7	3325.6	3307.6	3273.3	3256.9	3150.7	3224.2
65°	1943.0	1944.7	2116.3	2521.5	2990.6	3307.6	3425.2	3426.9	3415.4	3284.7	3402.4
67.5°	1647.3	1679.9	1827.0	2260.1	2820.6	3268.4	3498.8	3547.8	3529.8	3368.1	3435.1
70°	1263.2	1304.1	1498.5	1876.0	2559.1	3168.7	3564.2	3598.5	3570.7	3379.5	3315.8
72.5°	635.7	776.2	983.8	1413.6	2096.7	2884.3	3552.7	3601.7	3546.2	3279.8	2868.0
75°	104.6	116.0	264.7	652.0	1315.5	2312.4	3291.2	3338.6	3252.0	2735.6	1856.4
77.5°	65.4	70.3	107.9	274.5	447.8	1119.4	2358.1	2281.3	2278.1	1637.5	790.9
80°	39.2	40.9	57.2	124.2	240.2	237.0	1143.9	1090.0	980.5	421.6	161.8
82.5°	22.9	24.5	42.5	63.7	132.4	80.1	174.9	227.2	243.5	85.0	32.7
85°	1.6	1.6	13.1	29.4	31.0	18.0	21.2	36.0	32.7	40.9	14.7
87.5°	0.0	0.0	0.0	1.6	3.3	3.3	4.9	4.9	4.9	6.5	4.9
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°	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2
2.5°	611.2	614.5	606.3	604.6	598.1	599.7	601.4	599.7	599.7	601.4	603.0
5°	619.4	617.7	611.2	609.6	604.6	607.9	609.6	611.2	614.5	612.8	612.8
7.5°	639.0	640.6	634.1	634.1	630.8	630.8	627.5	624.3	622.6	619.4	625.9
10°	676.6	678.2	673.3	671.6	665.1	650.4	621.0	585.0	547.5	532.7	537.6
12.5°	710.9	720.7	714.1	709.2	683.1	621.0	516.4	424.9	371.0	338.3	341.5
15°	751.7	759.9	756.6	738.7	656.9	498.4	348.1	248.4	209.2	187.9	194.5
17.5°	794.2	802.4	795.8	751.7	572.0	341.5	202.6	152.0	142.2	137.3	138.9
20°	840.0	848.1	833.4	720.7	436.3	214.1	137.3	130.7	129.1	129.1	129.1
22.5°	885.7	893.9	871.0	650.4	300.7	140.5	125.8	122.6	120.9	117.7	119.3
25°	924.9	942.9	897.2	547.5	183.0	122.6	117.7	114.4	109.5	106.2	107.9
27.5°	970.7	987.0	889.0	421.6	129.1	114.4	107.9	101.3	96.4	93.1	93.1
30°	1023.0	1039.3	849.8	276.2	112.8	104.6	96.4	88.2	80.1	76.8	76.8
32.5°	1076.9	1090.0	786.0	168.3	101.3	93.1	83.3	71.9	63.7	58.8	58.8
35°	1147.2	1148.8	709.2	112.8	89.9	80.1	68.6	57.2	47.4	44.1	44.1
37.5°	1240.3	1228.9	614.5	93.1	78.4	67.0	53.9	42.5	36.0	32.7	34.3
40°	1366.2	1313.9	503.3	81.7	68.6	55.6	40.9	31.0	26.1	26.1	26.1
42.5°	1498.5	1400.5	380.8	75.2	60.5	44.1	29.4	22.9	21.2	21.2	21.2
45°	1655.4	1483.8	248.4	67.0	50.7	34.3	21.2	16.3	16.3	18.0	18.0
47.5°	1812.3	1557.4	148.7	58.8	42.5	26.1	16.3	13.1	13.1	14.7	16.3
50°	1988.8	1621.1	99.7	52.3	36.0	19.6	13.1	11.4	11.4	14.7	14.7
52.5°	2166.9	1660.3	78.4	44.1	27.8	16.3	11.4	9.8	9.8	13.1	13.1
55°	2317.3	1693.0	67.0	37.6	21.2	13.1	11.4	9.8	9.8	11.4	13.1
57.5°	2461.1	1704.5	57.2	31.0	16.3	13.1	9.8	8.2	8.2	11.4	11.4
60°	2575.5	1696.3	49.0	24.5	14.7	11.4	8.2	6.5	6.5	9.8	11.4
62.5°	2653.9	1668.5	37.6	18.0	13.1	11.4	8.2	4.9	6.5	8.2	9.8
65°	2694.8	1609.7	27.8	14.7	11.4	9.8	6.5	4.9	4.9	6.5	6.5
67.5°	2619.6	1516.5	21.2	11.4	9.8	9.8	6.5	3.3	3.3	4.9	4.9
70°	2408.8	1377.6	18.0	9.8	8.2	8.2	4.9	3.3	1.6	3.3	3.3
72.5°	1943.0	1023.0	14.7	8.2	6.5	6.5	4.9	1.6	1.6	1.6	3.3
75°	1188.1	335.0	9.8	6.5	4.9	4.9	3.3	1.6	1.6	1.6	1.6
77.5°	464.1	83.3	6.5	3.3	3.3	3.3	1.6	1.6	0.0	1.6	1.6
80°	86.6	16.3	3.3	3.3	1.6	1.6	1.6	0.0	0.0	1.6	1.6
82.5°	21.2	4.9	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0	1.6
85°	6.5	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	1.6	1.6	1.6	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)