

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: P511164

Luminaire Tested: **PRV-P-PA1B-730-U-T4W-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511164  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-PA1B-730-U-T4W-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

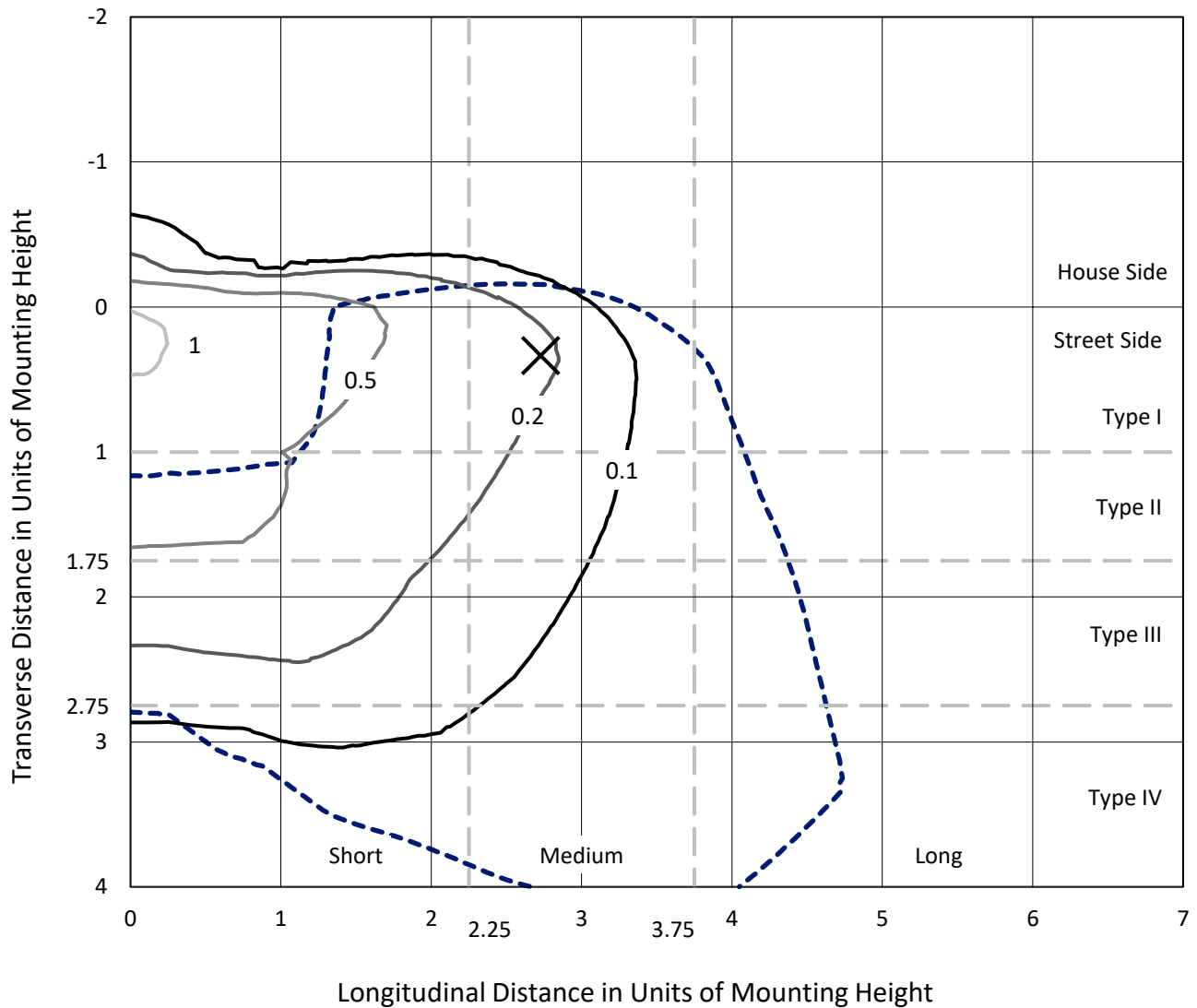
Lumens per Lamp: N/A  
Luminaire Lumens: 4938 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 52.8  
Input Voltage (V): NR  
Input Current (Ain): 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

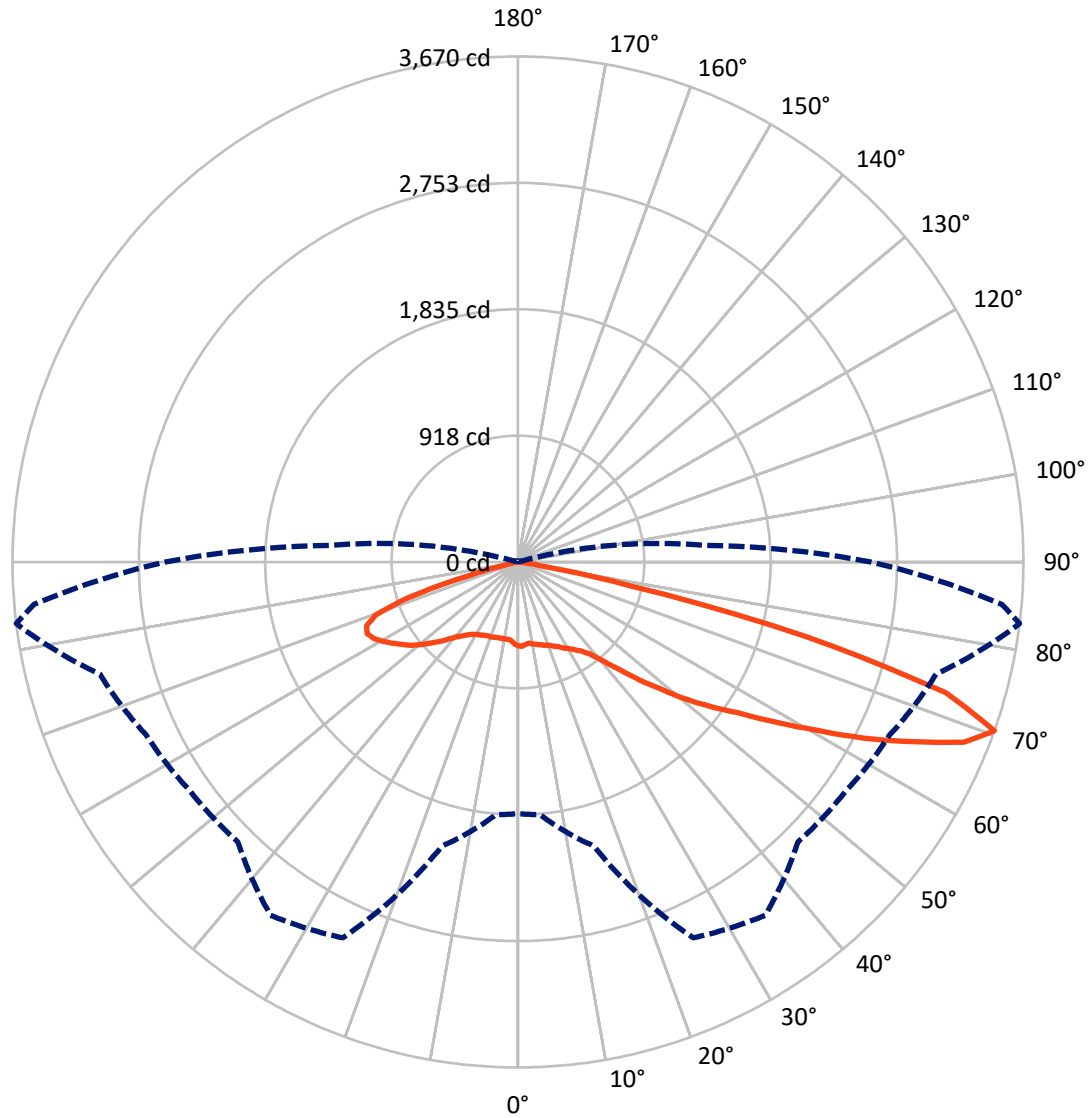
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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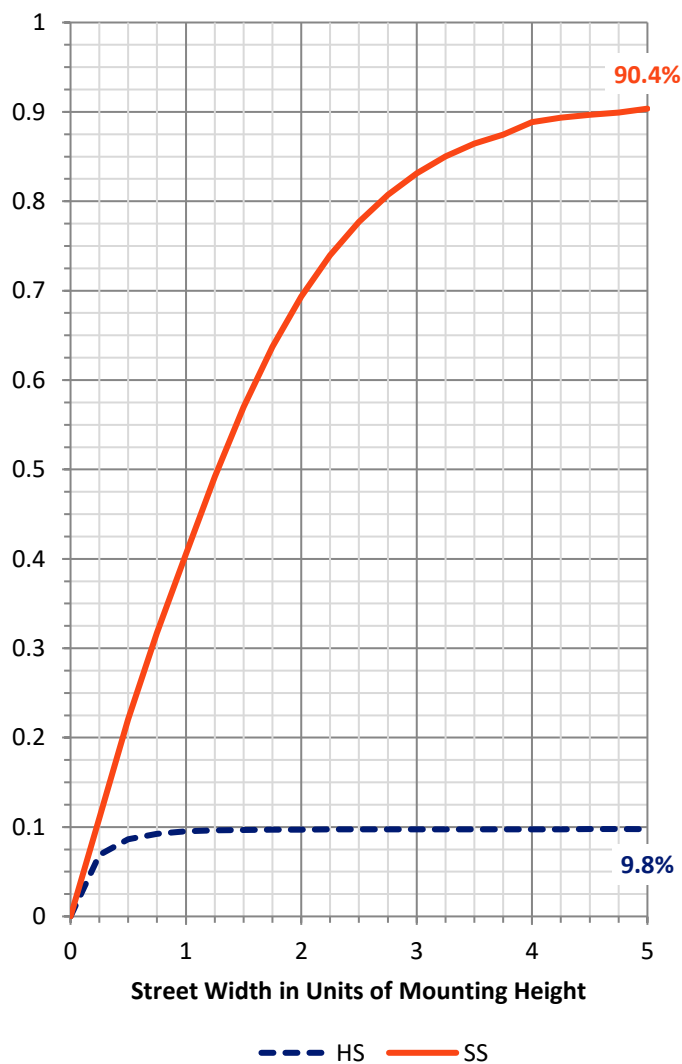
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	486.2	0.0	486.2
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	4451.8	0.0	4451.8
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	4938.0	0.0	4938.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.3	1.1
10°-20°	147.6	3.0
20°-30°	233.7	4.7
30°-40°	330.5	6.7
40°-50°	541.9	11.0
50°-60°	956.9	19.4
60°-70°	1412.5	28.6
70°-80°	1165.7	23.6
80°-90°	93.9	1.9
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°	4938.0	100.0
0°-180°	4938.0	100.0

**Coefficient of Utilization**

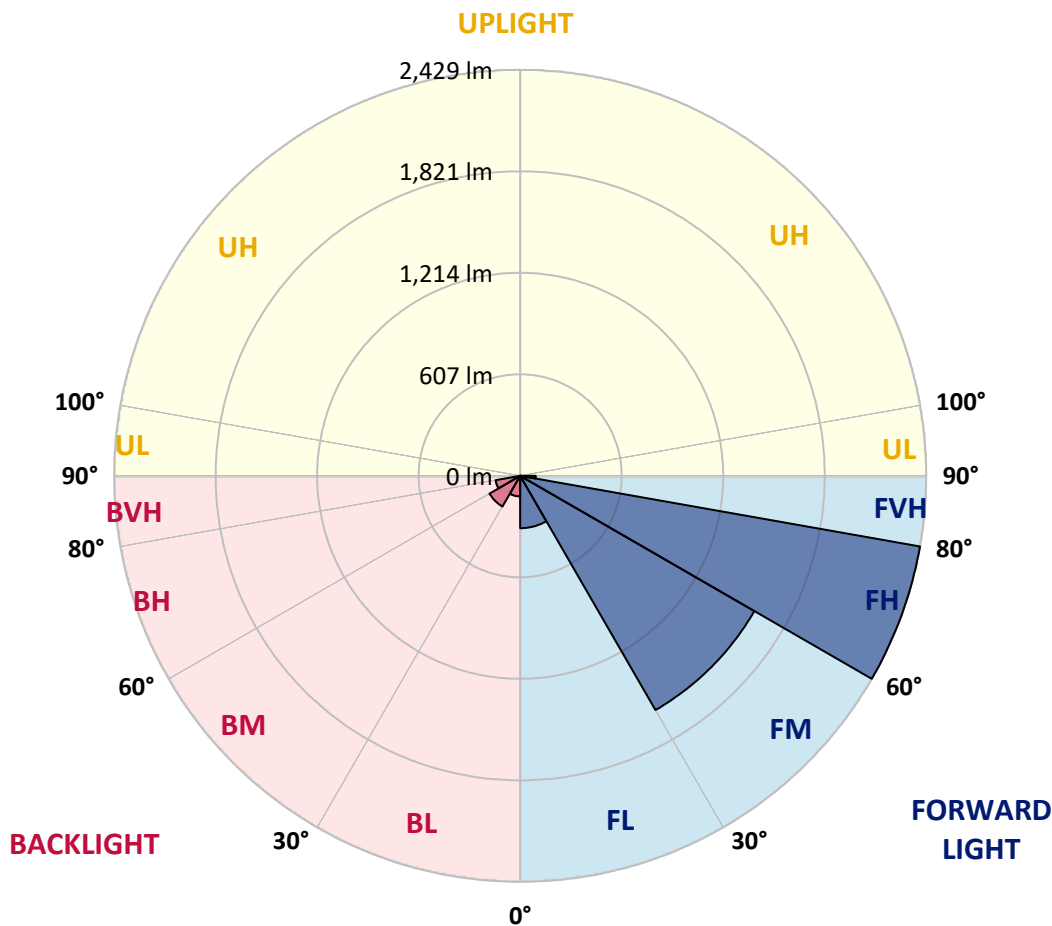


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.2	6.3			
FM (30°-60°)	1617.5	32.8			
FH (60°-80°)	2428.5	49.2			G2/5000
FVH (80°-90°)	92.6	1.9			G1/100
BL (0°-30°)	123.3	2.5	B1/500		
BM (30°-60°)	211.9	4.3	B0/220		
BH (60°-80°)	149.7	3.0	B1/500		G1/500
BVH (80°-90°)	1.3	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°	65°	75°	83°	85°
0°	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2
2.5°	648.9	648.9	645.9	645.9	638.5	635.5	628.1	622.1	614.7	611.7	607.2
5°	684.6	683.1	678.7	674.2	657.8	648.9	637.0	622.1	608.7	599.8	593.8
7.5°	720.3	718.9	714.4	702.5	684.6	668.3	647.4	629.6	608.7	595.3	592.3
10°	759.0	762.0	747.1	730.8	704.0	681.6	662.3	645.9	622.1	605.7	598.3
12.5°	793.3	787.3	773.9	753.1	721.8	696.5	681.6	660.8	635.5	614.7	607.2
15°	815.6	811.1	799.2	772.4	735.2	714.4	696.5	674.2	648.9	623.6	616.2
17.5°	832.0	832.0	818.6	782.9	745.6	732.2	712.9	692.1	660.8	637.0	629.6
20°	840.9	845.4	833.5	797.7	759.0	747.1	732.2	709.9	677.2	645.9	640.0
22.5°	845.4	848.3	848.3	803.7	769.5	760.5	748.6	727.8	690.6	663.8	654.9
25°	845.4	851.3	851.3	805.2	781.4	772.4	766.5	747.1	715.9	681.6	674.2
27.5°	851.3	848.3	854.3	811.1	794.8	793.3	790.3	776.9	741.2	708.4	696.5
30°	848.3	846.8	852.8	817.1	811.1	818.6	820.1	806.7	760.5	729.3	723.3
32.5°	869.2	863.2	857.3	823.0	829.0	845.4	845.4	832.0	788.8	759.0	753.1
35°	910.8	879.6	873.6	842.4	843.9	860.2	870.7	863.2	821.5	794.8	790.3
37.5°	913.8	901.9	916.8	870.7	870.7	888.5	909.4	907.9	879.6	846.8	846.8
40°	979.3	970.4	1003.1	919.8	910.8	934.7	960.0	976.3	957.0	934.7	931.7
42.5°	1166.8	1156.4	1169.8	991.2	968.9	1007.6	1040.3	1071.6	1061.2	1055.2	1052.2
45°	1402.0	1400.5	1409.4	1129.6	1049.3	1095.4	1128.1	1175.8	1184.7	1205.5	1205.5
47.5°	1668.4	1644.6	1631.2	1354.4	1169.8	1178.7	1242.7	1306.7	1352.9	1363.3	1379.7
50°	1851.5	1850.0	1823.2	1643.1	1405.0	1300.8	1376.7	1460.0	1549.3	1552.3	1565.7
52.5°	2003.3	2000.3	2001.8	1939.3	1674.3	1454.1	1528.5	1643.1	1729.4	1738.3	1750.3
55°	2073.2	2082.1	2129.8	2156.6	1973.5	1649.0	1705.6	1818.7	1919.9	1930.3	1957.1
57.5°	2181.9	2177.4	2253.3	2382.8	2284.6	1884.2	1897.6	2013.7	2106.0	2183.4	2201.2
60°	2338.1	2318.8	2394.7	2597.1	2469.1	2088.1	2079.2	2201.2	2315.8	2473.6	2491.4
62.5°	2415.5	2384.3	2512.3	2884.3	2665.6	2281.6	2292.0	2396.2	2536.1	2814.4	2894.8
65°	2284.6	2271.2	2561.4	2881.4	2897.7	2461.7	2507.8	2589.7	2778.7	3144.8	3241.5
67.5°	1948.2	1963.1	2448.3	2972.2	3030.2	2662.6	2708.7	2823.3	2987.0	3491.6	3491.6
70°	1827.6	1841.0	2135.7	3010.9	3131.4	2875.4	2903.7	2976.6	3143.3	3670.2	3527.3
72.5°	1556.8	1580.6	1903.5	2908.2	3262.4	3088.2	3037.6	3089.7	3116.5	3247.5	2978.1
75°	595.3	628.1	1217.4	2251.8	3217.7	3323.4	3146.3	2946.9	2626.9	2147.6	1928.8
77.5°	116.1	119.1	282.8	1071.6	2315.8	3134.4	2900.7	2271.2	1480.9	839.4	815.6
80°	46.1	49.1	84.8	317.0	1062.7	1811.3	1896.1	1143.0	471.8	172.6	144.4
82.5°	19.3	19.3	40.2	111.6	372.1	461.4	656.3	364.6	125.0	43.2	37.2
85°	3.0	3.0	13.4	40.2	59.5	34.2	160.7	72.9	61.0	16.4	13.4
87.5°	0.0	0.0	1.5	1.5	3.0	3.0	4.5	6.0	8.9	3.0	3.0
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°	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2
2.5°	605.7	599.8	589.4	581.9	577.5	573.0	571.5	562.6	565.6	564.1	564.1
5°	587.9	579.0	565.6	549.2	540.3	531.3	520.9	512.0	506.0	501.6	510.5
7.5°	580.4	570.0	544.7	523.9	503.0	479.2	458.4	439.1	428.6	421.2	421.2
10°	584.9	573.0	541.7	507.5	464.4	413.8	373.6	337.8	324.5	317.0	305.1
12.5°	590.9	574.5	535.8	482.2	415.2	337.8	278.3	235.2	218.8	209.9	208.4
15°	599.8	577.5	529.8	448.0	349.8	254.5	186.0	160.7	162.2	168.2	169.7
17.5°	608.7	584.9	520.9	409.3	281.3	183.1	148.8	144.4	148.8	157.8	159.2
20°	617.6	595.3	509.0	361.7	212.8	144.4	136.9	136.9	141.4	150.3	151.8
22.5°	631.0	601.3	489.7	303.6	159.2	132.5	131.0	132.5	135.4	142.9	145.9
25°	650.4	614.7	465.8	245.6	132.5	126.5	126.5	125.0	126.5	133.9	136.9
27.5°	668.3	634.0	442.0	186.0	117.6	117.6	119.1	117.6	117.6	123.5	126.5
30°	693.6	653.4	407.8	138.4	108.6	107.2	108.6	108.6	108.6	113.1	116.1
32.5°	726.3	681.6	372.1	111.6	99.7	96.7	96.7	99.7	99.7	102.7	104.2
35°	770.9	718.9	330.4	98.2	92.3	87.8	84.8	87.8	90.8	92.3	93.8
37.5°	830.5	768.0	285.8	90.8	86.3	80.4	75.9	75.9	77.4	80.4	83.3
40°	927.2	824.5	230.7	86.3	81.9	72.9	67.0	65.5	65.5	67.0	68.5
42.5°	1052.2	896.0	172.6	83.3	78.9	65.5	59.5	55.1	52.1	52.1	53.6
45°	1201.1	980.8	128.0	78.9	77.4	59.5	52.1	46.1	38.7	37.2	38.7
47.5°	1375.2	1053.7	95.3	72.9	71.4	52.1	44.6	35.7	26.8	26.8	26.8
50°	1553.8	1134.1	77.4	65.5	64.0	47.6	35.7	25.3	19.3	19.3	20.8
52.5°	1733.9	1211.5	70.0	59.5	58.0	43.2	26.8	17.9	14.9	16.4	16.4
55°	1903.5	1272.5	67.0	55.1	52.1	37.2	20.8	13.4	11.9	13.4	13.4
57.5°	2095.5	1338.0	62.5	50.6	43.2	28.3	16.4	11.9	10.4	11.9	11.9
60°	2287.5	1405.0	56.6	46.1	34.2	20.8	13.4	10.4	8.9	10.4	10.4
62.5°	2467.6	1467.5	47.6	38.7	26.8	16.4	11.9	8.9	7.4	8.9	10.4
65°	2609.0	1506.2	34.2	29.8	20.8	14.9	10.4	7.4	6.0	7.4	8.9
67.5°	2671.5	1486.8	25.3	22.3	16.4	11.9	8.9	6.0	4.5	6.0	7.4
70°	2564.4	1375.2	17.9	16.4	11.9	10.4	7.4	4.5	3.0	4.5	6.0
72.5°	2079.2	1041.8	14.9	13.4	8.9	8.9	7.4	4.5	3.0	3.0	3.0
75°	1271.0	453.9	11.9	10.4	6.0	7.4	6.0	3.0	1.5	3.0	3.0
77.5°	465.8	101.2	8.9	6.0	4.5	6.0	4.5	3.0	1.5	1.5	1.5
80°	107.2	23.8	4.5	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5
82.5°	26.8	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	10.4	3.0	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	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)