

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: P511232

Luminaire Tested: **PRV-P-PA1C-730-U-T2U-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1C-730-U-T2U-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6244 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

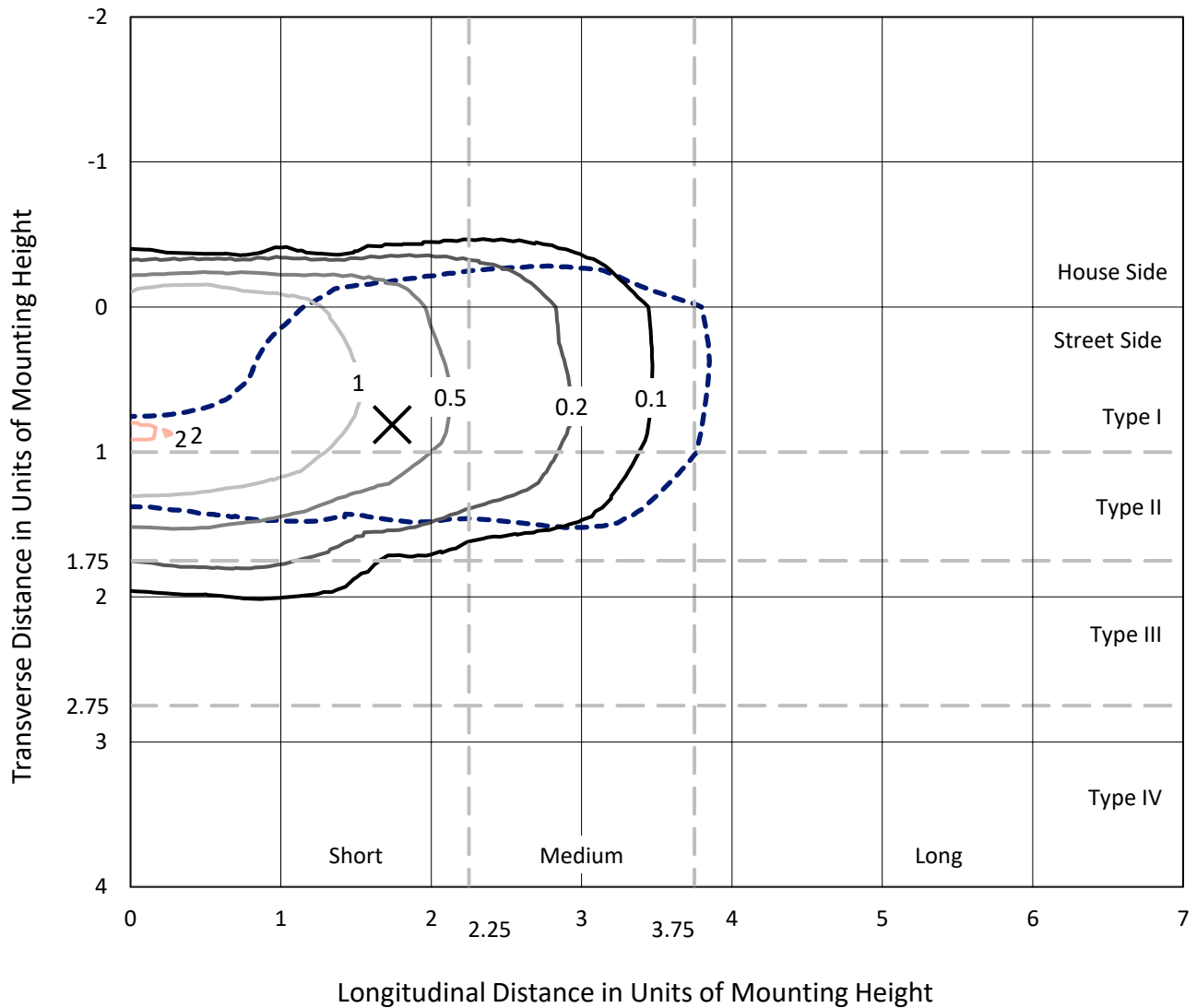
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

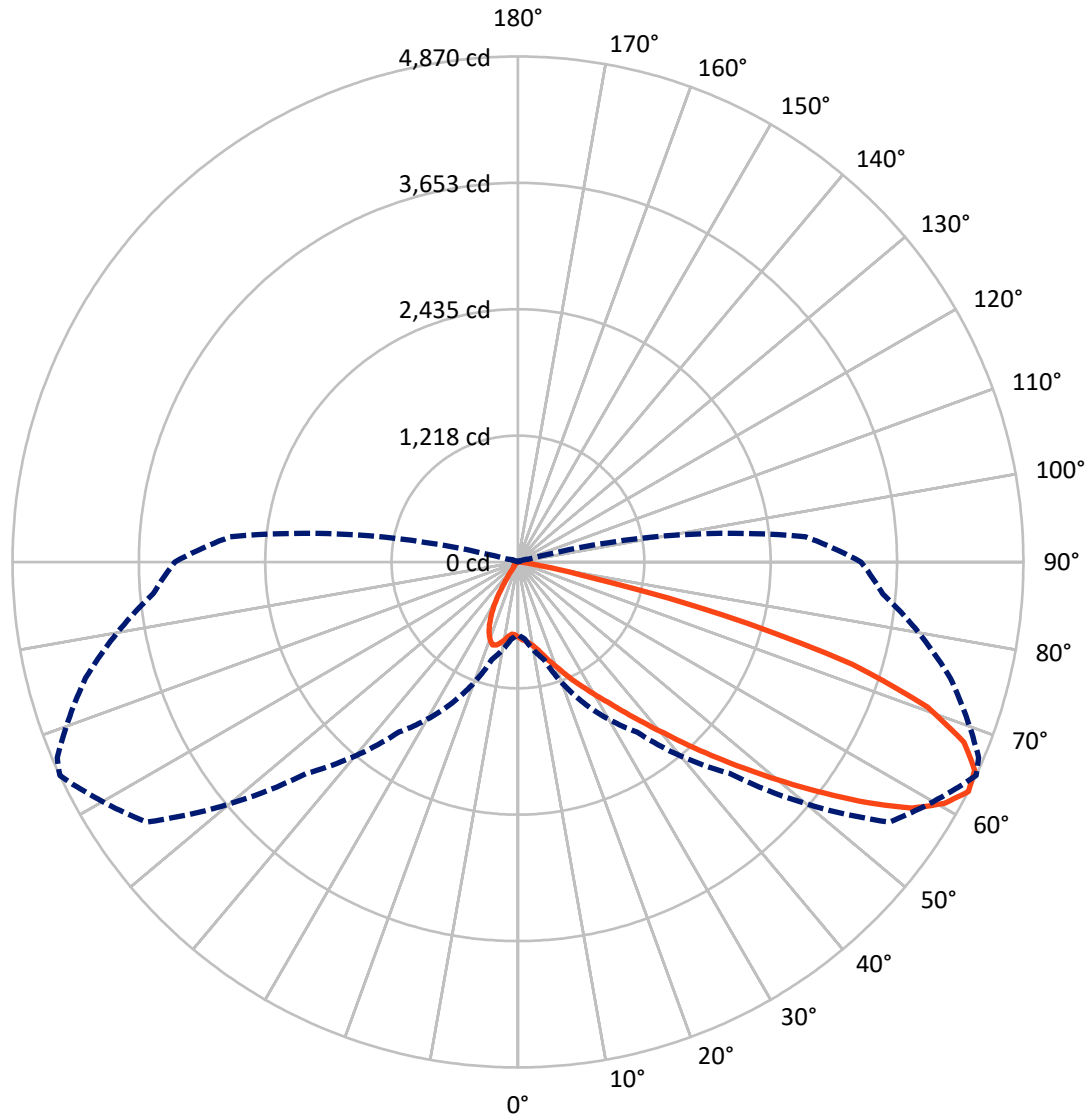
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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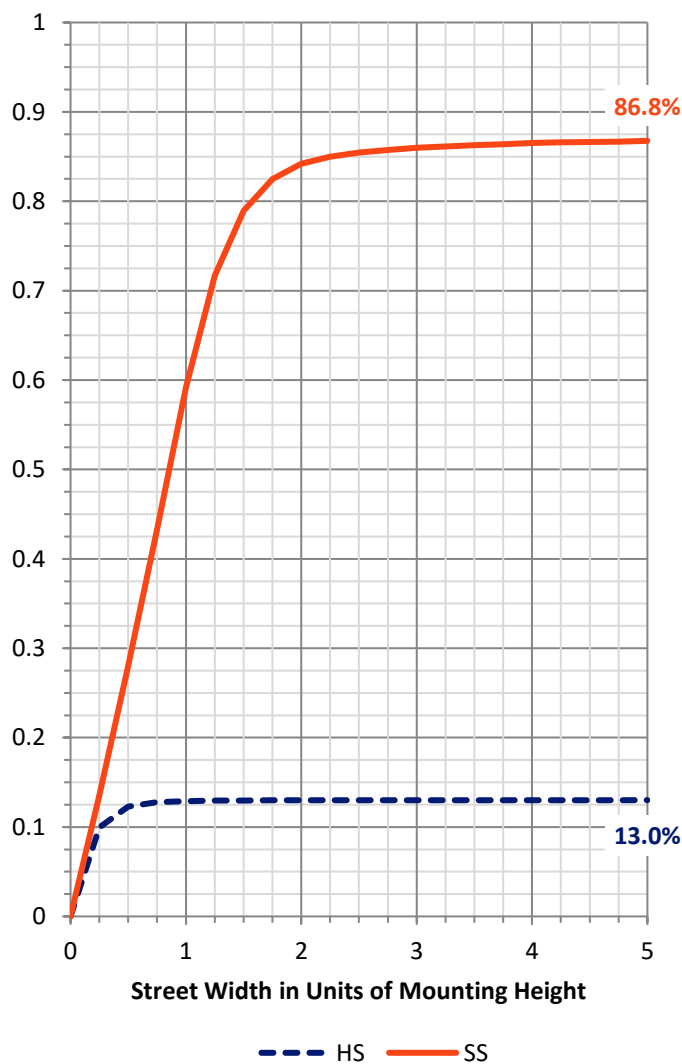
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.7	0.0	821.7
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	5422.3	0.0	5422.3
	% Fixture	86.8	0.0	86.8
Total	Lumens	6244.0	0.0	6244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.1
10°-20°	204.9	3.3
20°-30°	365.4	5.9
30°-40°	666.7	10.7
40°-50°	1253.2	20.1
50°-60°	1661.6	26.6
60°-70°	1380.9	22.1
70°-80°	613.4	9.8
80°-90°	28.9	0.5
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°	6244.0	100.0
0°-180°	6244.0	100.0

Coefficient of Utilization



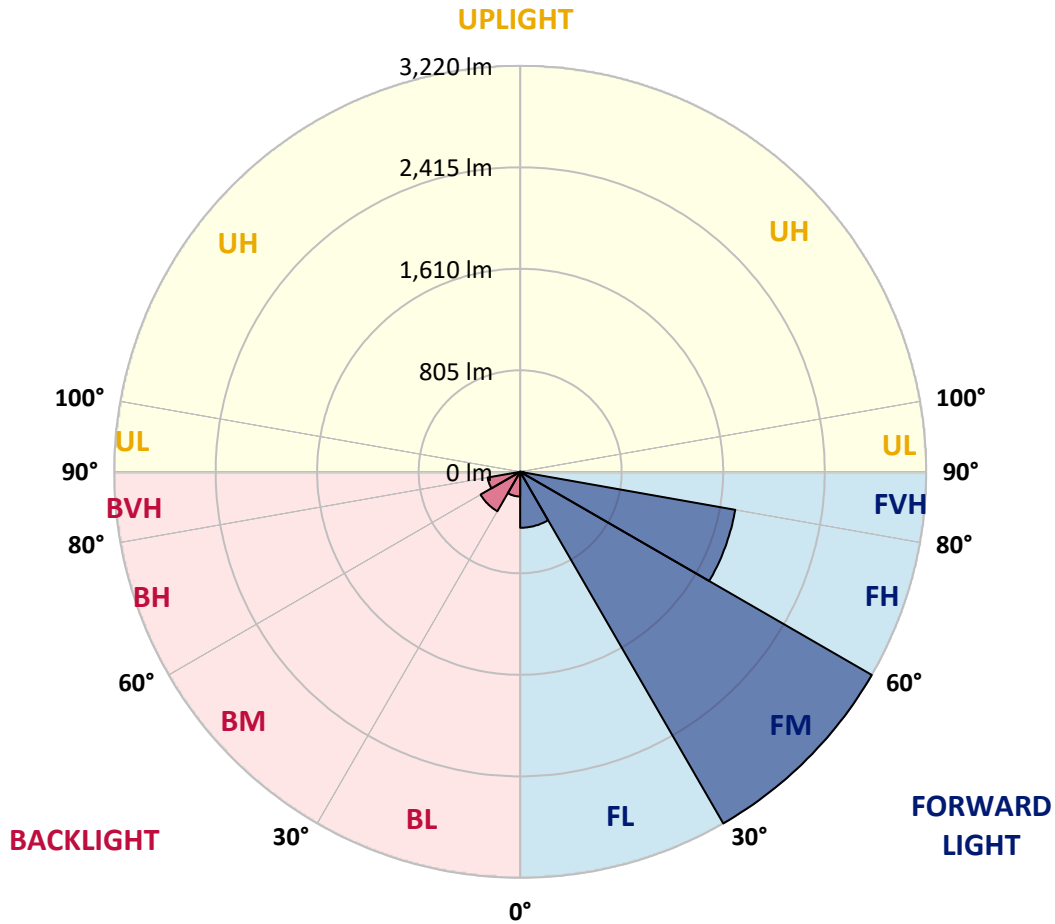
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.8	7.1			
FM (30°-60°)	3219.8	51.6			
FH (60°-80°)	1732.1	27.7			G1/1800
FVH (80°-90°)	26.6	0.4			G1/100
BL (0°-30°)	195.6	3.1	B1/500		
BM (30°-60°)	361.7	5.8	B1/1000		
BH (60°-80°)	262.2	4.2	B1/500		G1/500
BVH (80°-90°)	2.2	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	752.5	756.3	752.5	758.2	754.4	752.5	750.6	746.7	744.8	737.1	733.3
5°	741.0	741.0	744.8	752.5	754.4	762.1	762.1	764.0	760.2	758.2	748.6
7.5°	731.4	733.3	737.1	746.7	752.5	767.8	777.4	790.9	790.9	785.1	781.3
10°	756.3	758.2	762.1	773.6	779.3	800.5	812.0	823.5	825.4	827.3	825.4
12.5°	796.6	796.6	800.5	810.1	823.5	846.5	861.9	871.5	871.5	877.2	873.4
15°	854.2	852.3	856.1	861.9	869.6	898.4	921.4	936.8	936.8	932.9	921.4
17.5°	913.7	917.6	925.2	925.2	929.1	956.0	986.7	1009.7	1011.6	1002.0	979.0
20°	982.8	986.7	988.6	998.2	994.3	1019.3	1050.0	1086.5	1090.3	1078.8	1038.5
22.5°	1042.3	1050.0	1059.6	1069.2	1076.9	1101.8	1126.8	1176.7	1180.5	1167.1	1103.8
25°	1121.0	1115.3	1132.6	1140.2	1155.6	1182.5	1215.1	1276.5	1280.4	1257.3	1180.5
27.5°	1195.9	1195.9	1209.3	1232.4	1240.0	1274.6	1309.2	1376.3	1387.9	1361.0	1257.3
30°	1328.4	1337.9	1332.2	1337.9	1330.3	1370.6	1424.3	1495.4	1501.1	1464.6	1347.5
32.5°	1629.7	1625.9	1574.1	1491.5	1457.0	1495.4	1556.8	1622.0	1631.6	1604.8	1437.8
35°	2017.5	2034.8	1944.5	1779.5	1639.3	1639.3	1689.2	1781.4	1787.1	1756.4	1566.4
37.5°	2530.0	2518.5	2386.0	2173.0	1913.8	1831.3	1879.3	1961.8	1971.4	1936.9	1718.0
40°	2879.4	2910.1	2841.0	2629.8	2305.4	2111.5	2086.6	2167.2	2178.7	2146.1	1885.0
42.5°	3153.9	3163.5	3148.1	3046.4	2773.8	2487.8	2343.8	2414.8	2414.8	2361.1	2080.8
45°	3349.7	3361.2	3357.3	3324.7	3188.4	2948.5	2683.6	2689.3	2700.9	2616.4	2278.5
47.5°	3414.9	3414.9	3472.5	3533.9	3537.8	3455.2	3113.6	2990.7	2975.4	2887.0	2489.7
50°	3238.3	3244.1	3386.1	3614.6	3793.1	3910.2	3595.4	3330.5	3294.0	3184.6	2727.7
52.5°	2750.8	2745.0	2990.7	3451.4	3933.2	4246.1	3988.9	3702.9	3653.0	3434.1	2929.3
55°	2211.4	2251.7	2505.1	2956.2	3795.0	4413.1	4303.7	4094.5	3990.8	3714.4	3119.3
57.5°	1664.3	1729.5	2084.7	2466.7	3257.5	4294.1	4489.9	4474.5	4374.7	3954.3	3286.3
60°	1069.2	1128.7	1501.1	1973.3	2631.7	3808.4	4522.5	4720.2	4670.3	4169.3	3449.5
62.5°	698.7	744.8	975.1	1499.2	2000.2	2879.4	4369.0	4870.0	4822.0	4311.4	3528.2
65°	410.8	428.1	577.8	1027.0	1468.5	1875.4	3956.3	4835.4	4866.1	4436.2	3578.1
67.5°	295.6	297.5	366.6	570.1	1036.6	1082.6	2988.8	4635.8	4703.0	4478.4	3560.8
70°	251.5	259.1	307.1	376.2	725.6	568.2	1731.5	4184.7	4349.8	4420.8	3516.7
72.5°	193.9	205.4	253.4	322.5	520.2	383.9	656.5	3366.9	3591.5	3988.9	3349.7
75°	122.9	134.4	188.1	257.2	368.6	307.1	266.8	2025.2	2263.2	2762.3	2681.7
77.5°	72.9	74.9	115.2	184.3	326.3	228.4	155.5	702.6	929.1	1345.6	1376.3
80°	36.5	40.3	63.3	117.1	201.6	168.9	94.1	213.1	266.8	464.5	322.5
82.5°	21.1	23.0	34.6	65.3	105.6	99.8	51.8	94.1	105.6	126.7	55.7
85°	1.9	3.8	17.3	26.9	36.5	23.0	21.1	38.4	40.3	57.6	19.2
87.5°	0.0	0.0	1.9	1.9	3.8	3.8	5.8	7.7	7.7	7.7	5.8
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°	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	725.6	725.6	714.1	704.5	698.7	691.0	681.5	677.6	671.9	669.9	671.9
5°	744.8	735.2	714.1	696.8	681.5	668.0	654.6	648.8	643.1	643.1	643.1
7.5°	775.5	764.0	739.0	717.9	698.7	687.2	666.1	645.0	625.8	620.0	616.2
10°	819.7	806.2	779.3	756.3	733.3	691.0	631.5	572.0	529.8	508.7	510.6
12.5°	863.8	848.5	823.5	796.6	742.9	641.1	531.7	433.8	370.5	337.8	328.2
15°	913.7	896.4	867.7	827.3	708.3	543.2	387.8	257.2	188.1	165.1	157.4
17.5°	969.4	944.4	915.6	835.0	631.5	399.3	215.0	134.4	113.3	107.5	105.6
20°	1019.3	998.2	957.9	800.5	520.2	245.7	120.9	99.8	92.1	88.3	88.3
22.5°	1076.9	1046.2	998.2	741.0	383.9	138.2	94.1	82.5	74.9	72.9	71.0
25°	1136.4	1098.0	1027.0	660.3	243.8	97.9	78.7	69.1	61.4	57.6	59.5
27.5°	1205.5	1146.0	1038.5	554.8	140.1	82.5	65.3	55.7	49.9	48.0	48.0
30°	1259.2	1205.5	1025.1	435.7	96.0	71.0	53.7	44.2	40.3	38.4	38.4
32.5°	1337.9	1265.0	988.6	286.0	78.7	59.5	44.2	36.5	32.6	32.6	32.6
35°	1445.4	1343.7	929.1	170.8	67.2	49.9	36.5	30.7	28.8	28.8	28.8
37.5°	1583.7	1464.6	875.3	99.8	55.7	40.3	30.7	26.9	25.0	25.0	25.0
40°	1733.4	1600.9	812.0	71.0	46.1	34.6	26.9	23.0	21.1	21.1	23.0
42.5°	1921.5	1756.4	723.7	61.4	40.3	28.8	23.0	19.2	17.3	19.2	19.2
45°	2094.3	1921.5	620.0	51.8	34.6	25.0	19.2	15.4	15.4	17.3	17.3
47.5°	2309.3	2086.6	487.6	46.1	30.7	21.1	15.4	13.4	13.4	15.4	15.4
50°	2505.1	2253.6	359.0	40.3	26.9	17.3	13.4	11.5	11.5	11.5	13.4
52.5°	2702.8	2420.6	274.5	34.6	23.0	15.4	11.5	9.6	7.7	9.6	9.6
55°	2887.0	2553.0	209.2	30.7	19.2	13.4	9.6	7.7	5.8	7.7	7.7
57.5°	3059.8	2654.8	170.8	26.9	17.3	11.5	7.7	5.8	5.8	5.8	5.8
60°	3190.3	2733.5	130.5	23.0	15.4	9.6	5.8	3.8	3.8	3.8	3.8
62.5°	3305.5	2781.5	103.7	19.2	13.4	7.7	3.8	3.8	1.9	1.9	1.9
65°	3376.5	2789.2	82.5	17.3	11.5	7.7	3.8	1.9	0.0	0.0	0.0
67.5°	3405.3	2758.4	67.2	13.4	9.6	5.8	3.8	1.9	0.0	0.0	0.0
70°	3393.8	2656.7	51.8	11.5	7.7	3.8	3.8	1.9	0.0	0.0	0.0
72.5°	3244.1	2355.3	38.4	9.6	5.8	3.8	1.9	1.9	0.0	0.0	0.0
75°	2537.7	1268.8	26.9	7.7	3.8	3.8	1.9	1.9	0.0	0.0	0.0
77.5°	1343.7	451.1	17.3	5.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0
80°	241.9	94.1	7.7	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0
82.5°	38.4	9.6	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0
85°	13.4	5.8	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	1.9	1.9	1.9	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)