

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: P511243

Luminaire Tested: **PRV-P-PA1C-740-U-T3-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511243
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-PA1C-740-U-T3-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 930mA 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: 7179 lumens
Efficiency: N/A
Efficacy: 99.6 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

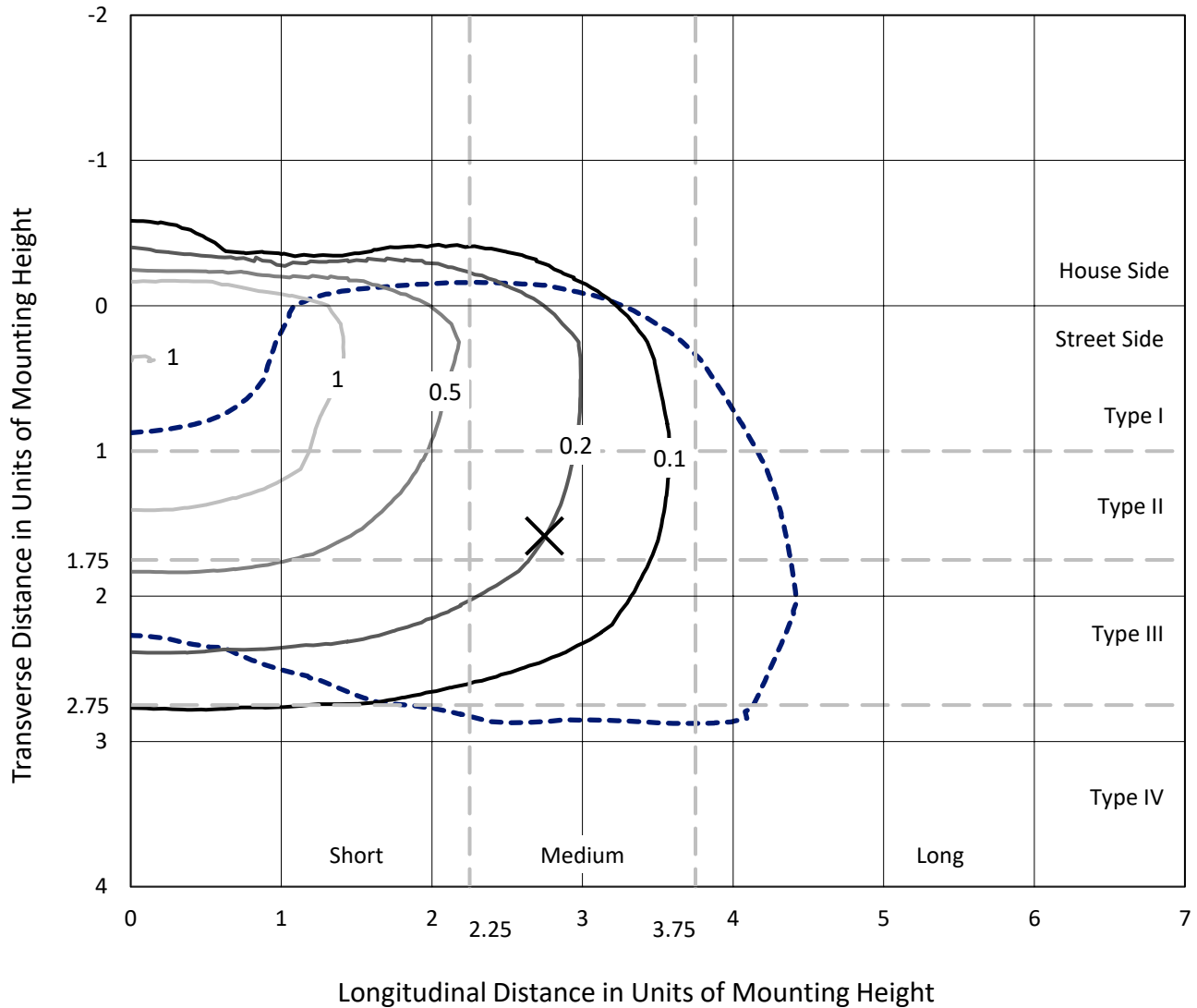
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

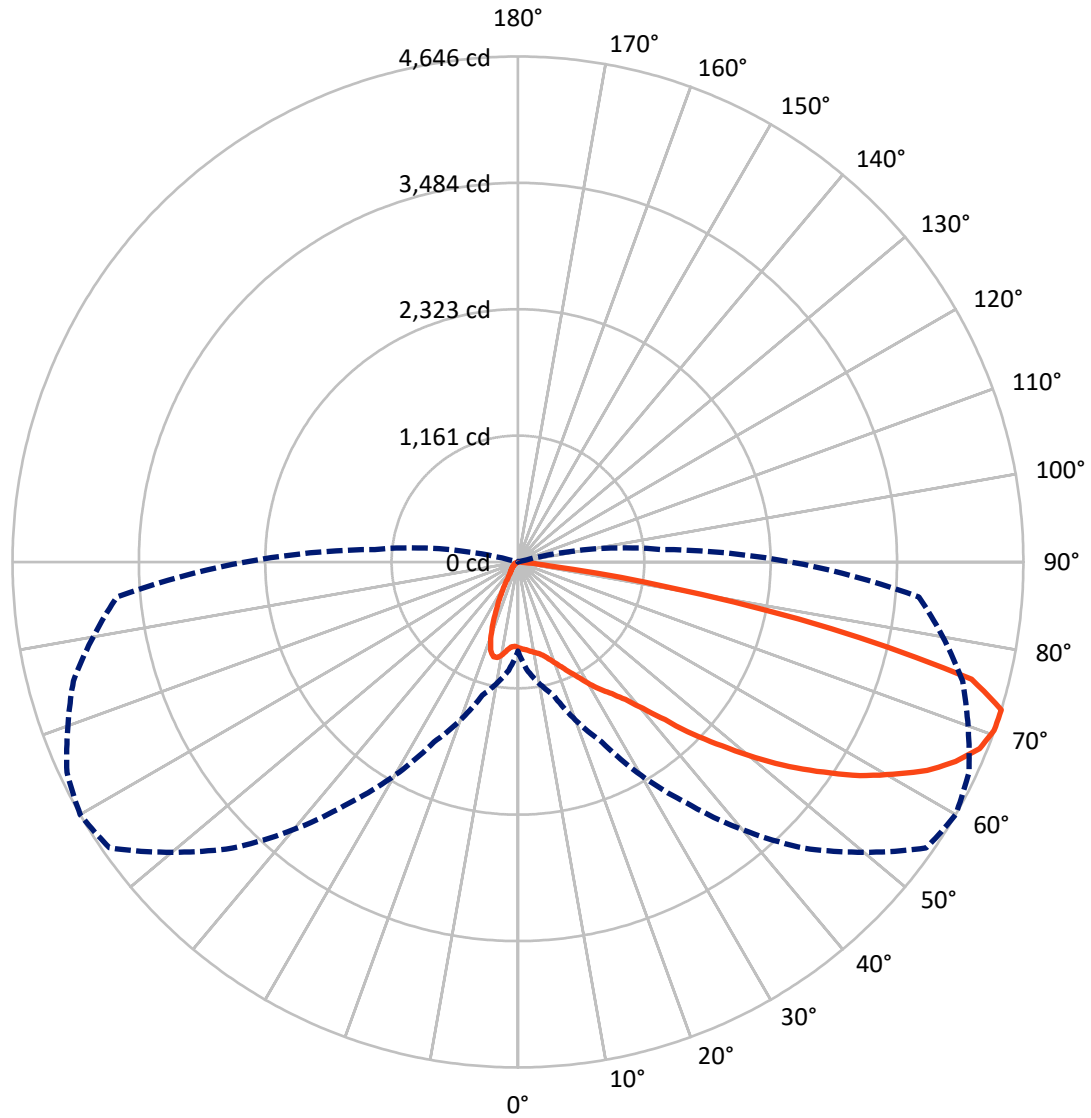
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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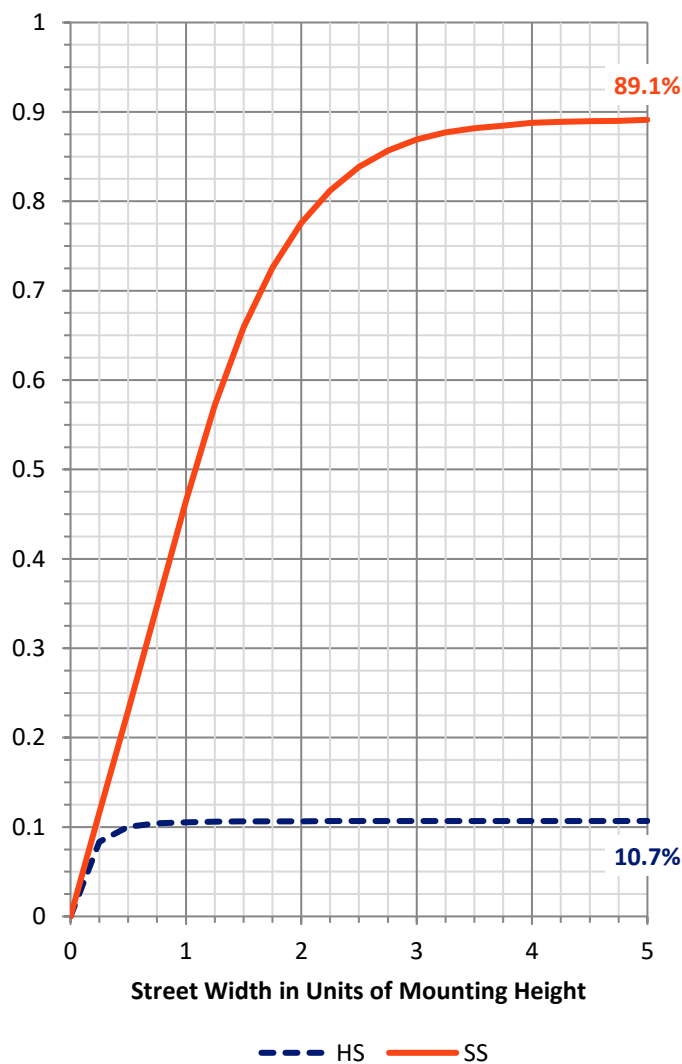
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	773.9	0.0	773.9
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	6405.1	0.0	6405.1
	% Fixture	89.2	0.0	89.2
Total	Lumens	7179.0	0.0	7179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	1.1
10°-20°	208.6	2.9
20°-30°	344.3	4.8
30°-40°	607.8	8.5
40°-50°	1066.5	14.9
50°-60°	1671.9	23.3
60°-70°	1970.3	27.4
70°-80°	1177.1	16.4
80°-90°	56.2	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°	7179.0	100.0
0°-180°	7179.0	100.0

Coefficient of Utilization

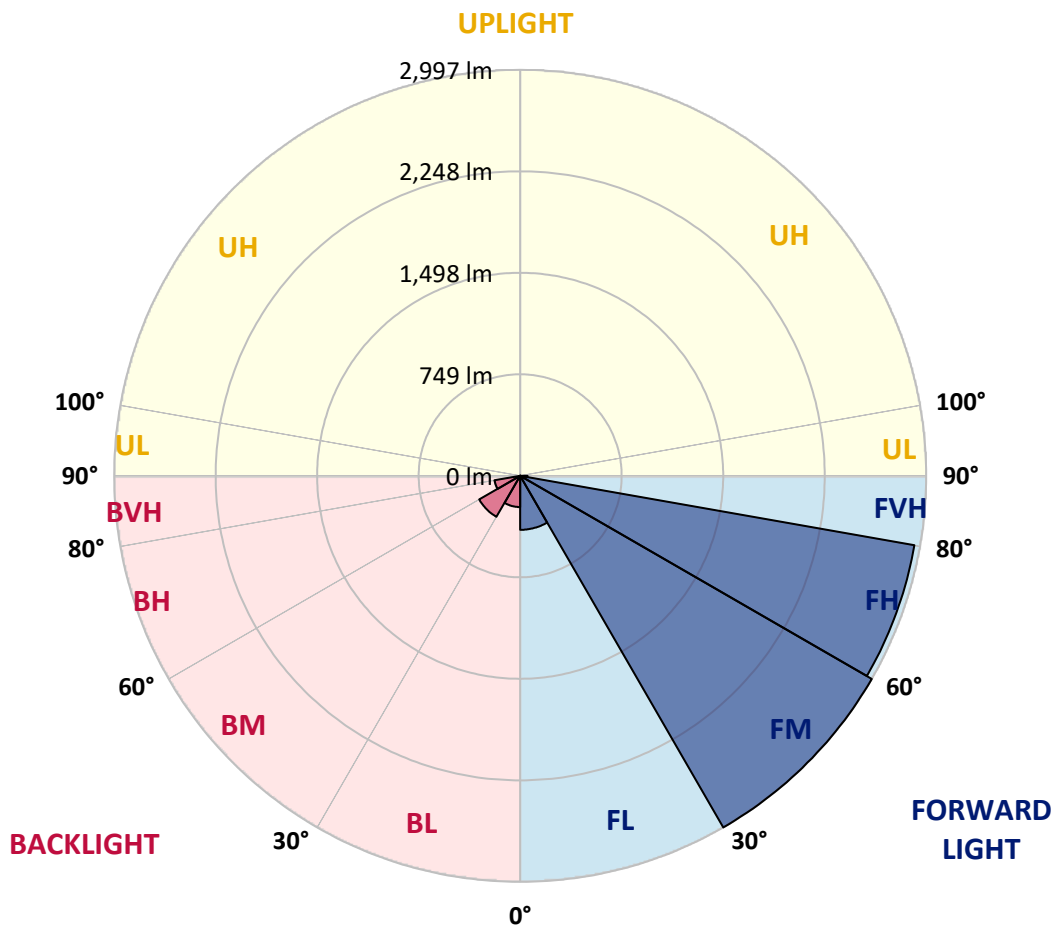


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.5	5.6			
FM (30°-60°)	2996.9	41.7			
FH (60°-80°)	2954.9	41.2			G2/5000
FVH (80°-90°)	54.8	0.8			G1/100
BL (0°-30°)	230.6	3.2	B1/500		
BM (30°-60°)	349.4	4.9	B1/1000		
BH (60°-80°)	192.6	2.7	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°	60°	65°	75°	85°
0°	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3
2.5°	809.4	811.5	803.1	811.5	807.3	807.3	805.2	800.9	796.7	794.6	794.6
5°	796.7	796.7	790.4	805.2	809.4	811.5	813.6	811.5	813.6	803.1	803.1
7.5°	735.6	737.7	744.0	763.0	782.0	805.2	828.4	828.4	832.6	834.7	830.5
10°	716.6	716.6	716.6	741.9	758.8	798.8	830.5	845.2	855.8	864.2	874.7
12.5°	710.3	708.2	716.6	746.1	771.4	805.2	849.4	864.2	881.0	906.3	921.1
15°	710.3	710.3	712.4	746.1	782.0	828.4	872.6	893.7	912.7	948.5	969.6
17.5°	729.3	727.2	729.3	756.7	790.4	851.5	919.0	940.1	961.1	994.9	1026.5
20°	748.3	746.1	744.0	773.5	807.3	878.9	961.1	992.8	1028.6	1053.9	1081.3
22.5°	782.0	779.9	771.4	790.4	828.4	912.7	1013.8	1056.0	1091.8	1117.1	1140.3
25°	897.9	891.6	862.1	841.0	868.4	946.4	1068.6	1127.7	1171.9	1190.9	1203.5
27.5°	1102.4	1110.8	1045.4	961.1	925.3	997.0	1134.0	1205.6	1254.1	1268.9	1254.1
30°	1386.9	1374.3	1294.2	1180.3	1058.1	1060.2	1220.4	1304.7	1361.6	1367.9	1330.0
32.5°	1637.7	1635.6	1551.3	1427.0	1243.6	1171.9	1292.1	1397.4	1464.9	1464.9	1401.7
35°	1856.9	1846.4	1768.4	1663.0	1488.1	1334.2	1384.8	1486.0	1572.4	1568.2	1492.3
37.5°	2029.8	2025.6	1979.2	1882.2	1736.8	1549.2	1507.0	1604.0	1717.8	1711.5	1618.8
40°	2213.1	2217.4	2202.6	2105.7	1953.9	1804.2	1703.1	1770.5	1882.2	1890.7	1793.7
42.5°	2445.0	2451.3	2421.8	2329.1	2194.2	2063.5	1970.8	1981.3	2088.8	2101.4	1964.4
45°	2727.4	2725.3	2691.6	2603.1	2472.4	2345.9	2276.4	2259.5	2310.1	2339.6	2200.5
47.5°	2944.5	2948.8	2950.9	2919.2	2786.5	2697.9	2586.2	2525.1	2582.0	2598.9	2434.5
50°	3117.4	3178.5	3155.3	3186.9	3125.8	3073.1	2896.1	2826.5	2868.7	2889.7	2704.3
52.5°	3241.7	3290.2	3315.5	3410.4	3431.4	3477.8	3208.0	3123.7	3134.2	3146.9	2948.8
55°	3199.6	3229.1	3370.3	3538.9	3716.0	3865.6	3486.2	3410.4	3408.2	3412.5	3250.2
57.5°	3075.2	3119.5	3361.9	3574.8	3914.1	4133.3	3789.8	3705.4	3705.4	3642.2	3560.0
60°	2925.6	2953.0	3252.3	3557.9	4021.6	4301.9	4030.0	3960.5	3958.4	3872.0	3895.1
62.5°	2742.2	2757.0	3016.2	3452.5	3977.3	4289.3	4266.1	4221.8	4200.8	4063.8	4158.6
65°	2506.1	2508.2	2729.6	3252.3	3857.2	4266.1	4417.9	4420.0	4405.2	4236.6	4388.4
67.5°	2124.6	2166.8	2356.5	2915.0	3638.0	4215.5	4512.7	4575.9	4552.8	4344.1	4430.5
70°	1629.3	1682.0	1932.8	2419.7	3300.8	4086.9	4597.0	4641.3	4605.5	4358.8	4276.6
72.5°	819.9	1001.2	1268.9	1823.2	2704.3	3720.2	4582.3	4645.5	4573.8	4230.3	3699.1
75°	134.9	149.7	341.5	841.0	1696.7	2982.5	4245.0	4306.2	4194.4	3528.4	2394.4
77.5°	84.3	90.6	139.1	354.1	577.5	1443.8	3041.5	2942.4	2938.2	2112.0	1020.2
80°	50.6	52.7	73.8	160.2	309.8	305.6	1475.4	1405.9	1264.7	543.8	208.7
82.5°	29.5	31.6	54.8	82.2	170.7	103.3	225.5	293.0	314.1	109.6	42.2
85°	2.1	2.1	16.9	37.9	40.0	23.2	27.4	46.4	42.2	52.7	19.0
87.5°	0.0	0.0	0.0	2.1	4.2	4.2	6.3	6.3	6.3	8.4	6.3
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°	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3
2.5°	788.3	792.5	782.0	779.9	771.4	773.5	775.7	773.5	773.5	775.7	777.8
5°	798.8	796.7	788.3	786.2	779.9	784.1	786.2	788.3	792.5	790.4	790.4
7.5°	824.1	826.2	817.8	817.8	813.6	813.6	809.4	805.2	803.1	798.8	807.3
10°	872.6	874.7	868.4	866.3	857.9	838.9	800.9	754.6	706.1	687.1	693.5
12.5°	916.9	929.5	921.1	914.8	881.0	800.9	666.1	548.0	478.5	436.3	440.5
15°	969.6	980.1	975.9	952.7	847.3	642.9	449.0	320.4	269.8	242.4	250.8
17.5°	1024.4	1034.9	1026.5	969.6	737.7	440.5	261.4	196.0	183.4	177.1	179.2
20°	1083.4	1093.9	1075.0	929.5	562.8	276.1	177.1	168.6	166.5	166.5	166.5
22.5°	1142.4	1152.9	1123.4	838.9	387.8	181.3	162.3	158.1	156.0	151.8	153.9
25°	1193.0	1216.2	1157.2	706.1	236.1	158.1	151.8	147.5	141.2	137.0	139.1
27.5°	1252.0	1273.1	1146.6	543.8	166.5	147.5	139.1	130.7	124.4	120.1	120.1
30°	1319.5	1340.5	1096.0	356.2	145.4	134.9	124.4	113.8	103.3	99.1	99.1
32.5°	1389.0	1405.9	1013.8	217.1	130.7	120.1	107.5	92.7	82.2	75.9	75.9
35°	1479.6	1481.8	914.8	145.4	115.9	103.3	88.5	73.8	61.1	56.9	56.9
37.5°	1599.8	1585.0	792.5	120.1	101.2	86.4	69.6	54.8	46.4	42.2	44.3
40°	1762.1	1694.6	649.2	105.4	88.5	71.7	52.7	40.0	33.7	33.7	33.7
42.5°	1932.8	1806.4	491.1	97.0	78.0	56.9	37.9	29.5	27.4	27.4	27.4
45°	2135.2	1913.8	320.4	86.4	65.3	44.3	27.4	21.1	21.1	23.2	23.2
47.5°	2337.5	2008.7	191.8	75.9	54.8	33.7	21.1	16.9	16.9	19.0	21.1
50°	2565.1	2090.9	128.6	67.4	46.4	25.3	16.9	14.8	14.8	19.0	19.0
52.5°	2794.9	2141.5	101.2	56.9	35.8	21.1	14.8	12.6	12.6	16.9	16.9
55°	2988.8	2183.6	86.4	48.5	27.4	16.9	14.8	12.6	12.6	14.8	16.9
57.5°	3174.3	2198.4	73.8	40.0	21.1	16.9	12.6	10.5	10.5	14.8	14.8
60°	3321.8	2187.9	63.2	31.6	19.0	14.8	10.5	8.4	8.4	12.6	14.8
62.5°	3423.0	2152.0	48.5	23.2	16.9	14.8	10.5	6.3	8.4	10.5	12.6
65°	3475.7	2076.1	35.8	19.0	14.8	12.6	8.4	6.3	6.3	8.4	8.4
67.5°	3378.7	1956.0	27.4	14.8	12.6	12.6	8.4	4.2	4.2	6.3	6.3
70°	3106.8	1776.8	23.2	12.6	10.5	10.5	6.3	4.2	2.1	4.2	4.2
72.5°	2506.1	1319.5	19.0	10.5	8.4	8.4	6.3	2.1	2.1	2.1	4.2
75°	1532.3	432.1	12.6	8.4	6.3	6.3	4.2	2.1	2.1	2.1	2.1
77.5°	598.6	107.5	8.4	4.2	4.2	4.2	2.1	2.1	0.0	2.1	2.1
80°	111.7	21.1	4.2	4.2	2.1	2.1	2.1	0.0	0.0	2.1	2.1
82.5°	27.4	6.3	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0	2.1
85°	8.4	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	4.2	4.2	2.1	2.1	2.1	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)