

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: P511230

Luminaire Tested: **PRV-P-PA1C-730-U-T2R-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-2)
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-T2R-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7154 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G2

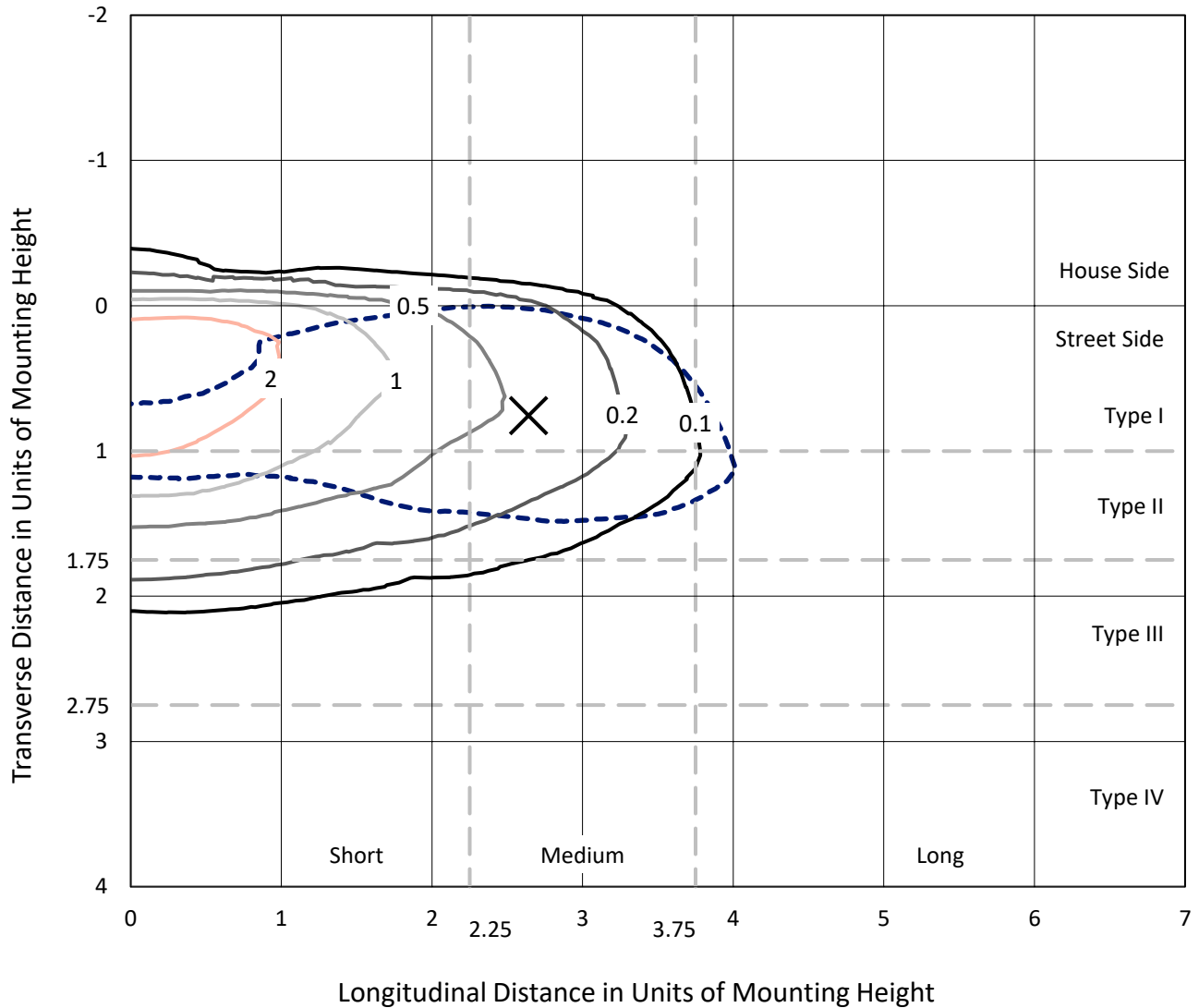
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

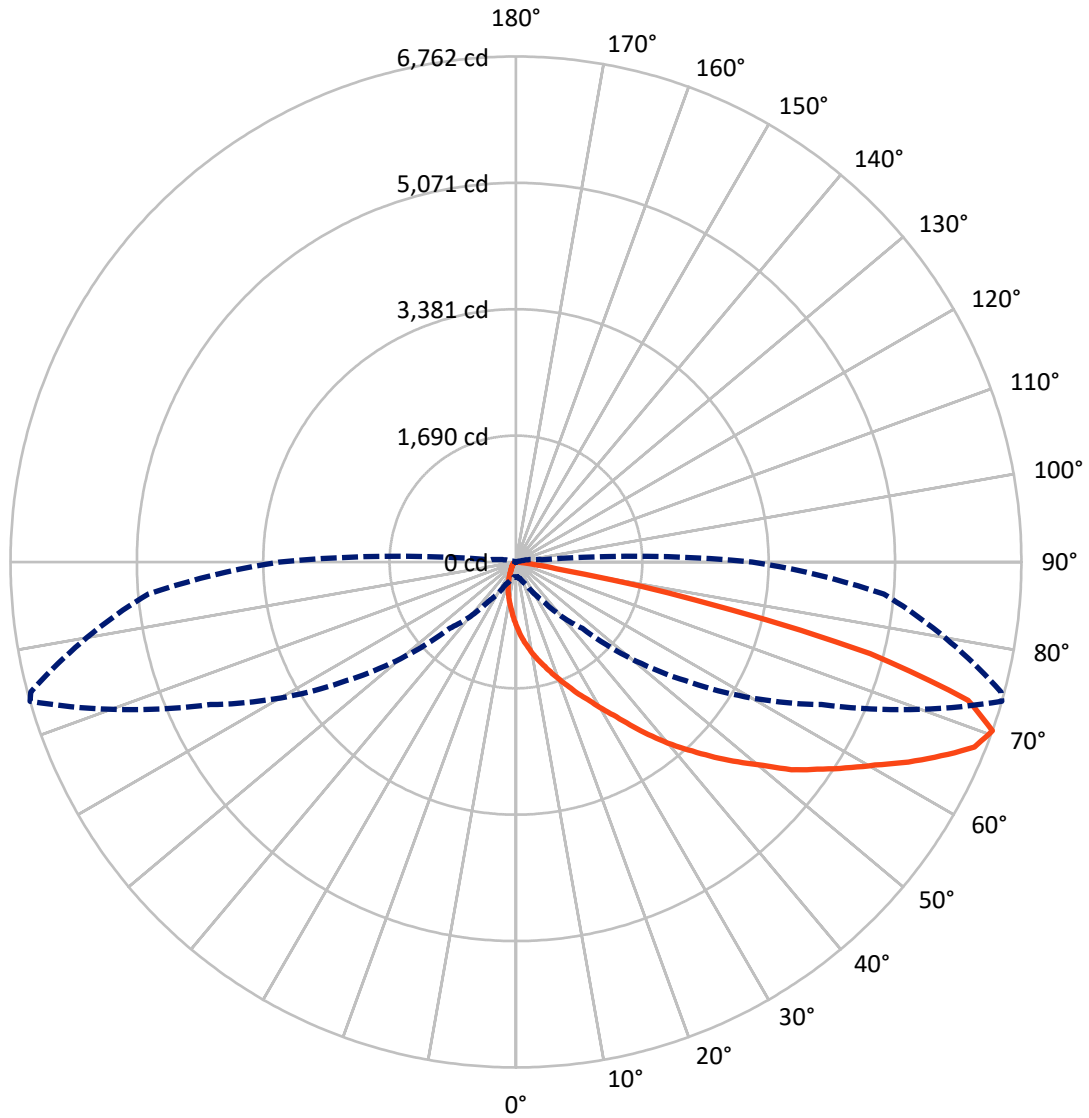
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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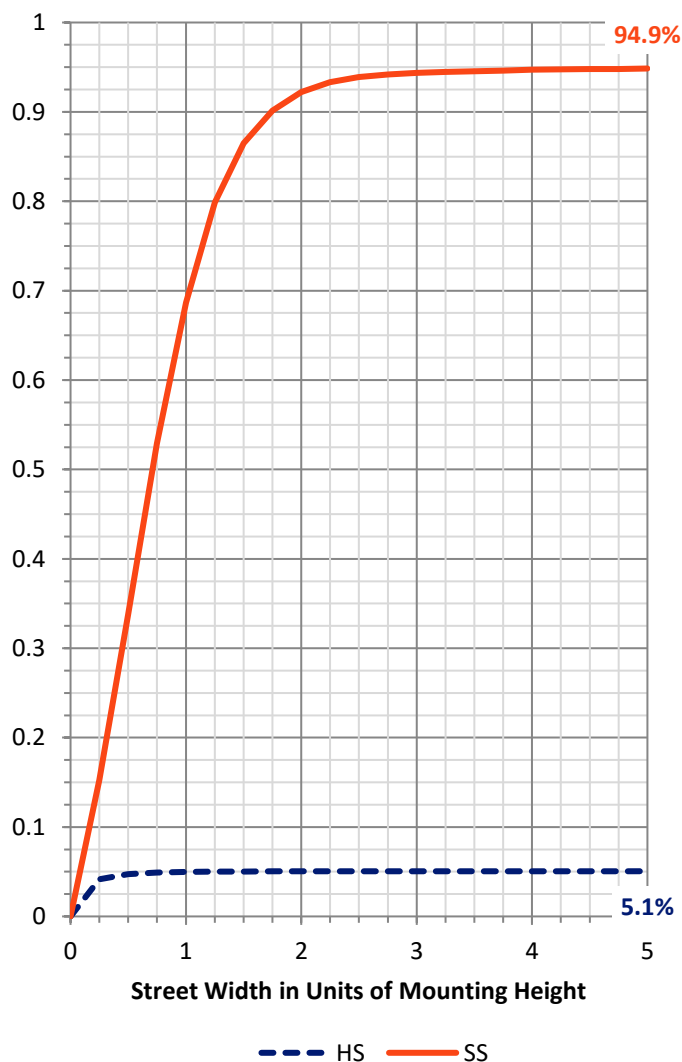
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	364.0	0.0	364.0
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	6790.0	0.0	6790.0
	% Fixture	94.9	0.0	94.9
Total	Lumens	7154.0	0.0	7154.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.1
10°-20°	259.3	3.6
20°-30°	518.6	7.2
30°-40°	969.4	13.5
40°-50°	1436.5	20.1
50°-60°	1642.6	23.0
60°-70°	1487.6	20.8
70°-80°	734.5	10.3
80°-90°	24.9	0.3
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°	7154.0	100.0
0°-180°	7154.0	100.0

Coefficient of Utilization



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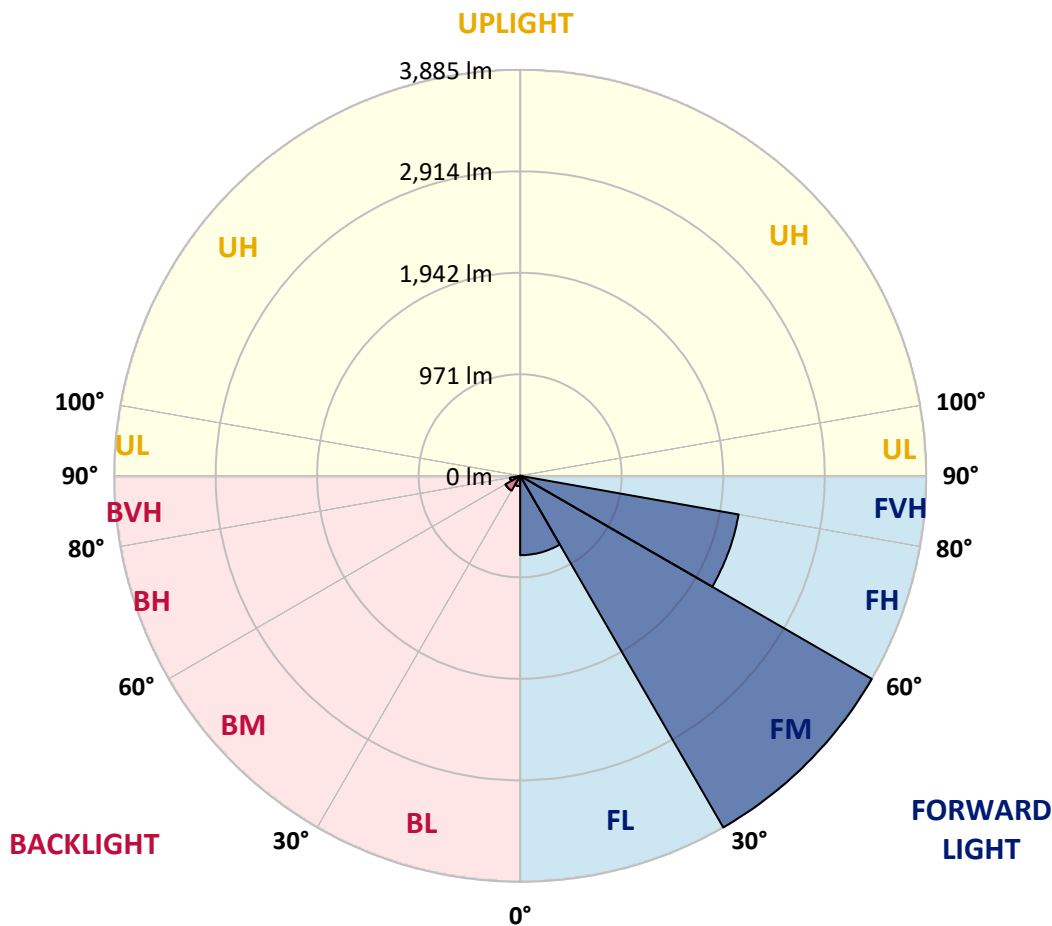
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	759.4	10.6			
FM (30°-60°)	3884.9	54.3			
FH (60°-80°)	2122.4	29.7			G2/5000
FVH (80°-90°)	23.4	0.3			G1/100
BL (0°-30°)	99.1	1.4	B0/110		
BM (30°-60°)	163.6	2.3	B0/220		
BH (60°-80°)	99.7	1.4	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2
2.5°	1168.9	1161.2	1153.5	1153.5	1130.5	1084.4	1057.6	1011.5	955.8	944.3	894.4
5°	1337.8	1345.5	1335.9	1316.7	1295.6	1259.1	1207.3	1130.5	1051.8	1046.1	929.0
7.5°	1424.2	1428.0	1422.2	1424.2	1412.7	1374.3	1334.0	1251.4	1149.7	1140.1	980.8
10°	1497.1	1500.9	1495.2	1499.0	1481.7	1474.1	1437.6	1360.8	1251.4	1239.9	1040.3
12.5°	1589.2	1587.3	1585.4	1593.1	1572.0	1558.5	1535.5	1466.4	1351.2	1330.1	1111.3
15°	1644.9	1648.7	1644.9	1666.0	1671.8	1658.3	1623.8	1570.0	1451.0	1437.6	1182.3
17.5°	1683.3	1683.3	1700.6	1735.1	1750.5	1756.2	1746.6	1675.6	1566.2	1547.0	1268.7
20°	1723.6	1735.1	1750.5	1790.8	1819.6	1848.3	1863.7	1825.3	1685.2	1667.9	1353.2
22.5°	1833.0	1836.8	1838.7	1877.1	1904.0	1942.4	1959.7	1961.6	1810.0	1794.6	1439.5
25°	2159.3	2132.4	2076.8	2030.7	2042.2	2051.8	2051.8	2107.5	1961.6	1932.8	1531.7
27.5°	2604.6	2589.2	2518.2	2405.0	2214.9	2199.6	2180.4	2262.9	2099.8	2063.3	1614.2
30°	3021.1	3017.2	2917.4	2785.0	2585.4	2385.8	2312.8	2401.1	2282.1	2226.5	1696.7
32.5°	3299.4	3305.1	3253.3	3145.8	2967.3	2700.5	2462.5	2533.6	2466.4	2428.0	1798.4
35°	3481.7	3481.7	3441.4	3381.9	3259.1	3042.2	2685.2	2698.6	2708.2	2667.9	1936.6
37.5°	3604.6	3591.1	3548.9	3514.4	3456.8	3337.8	3013.4	2875.2	2957.7	2879.0	2088.3
40°	3692.9	3669.8	3641.0	3598.8	3575.8	3556.6	3341.6	3074.8	3213.0	3136.2	2251.4
42.5°	3735.1	3731.2	3696.7	3667.9	3656.4	3715.9	3637.2	3312.8	3456.8	3399.2	2416.5
45°	3742.8	3744.7	3735.1	3696.7	3702.5	3823.4	3856.0	3585.4	3725.5	3658.3	2608.4
47.5°	3685.2	3685.2	3712.0	3717.8	3725.5	3867.5	4067.1	3894.4	3994.2	3919.3	2800.4
50°	3439.5	3470.2	3564.3	3646.8	3675.6	3892.5	4209.2	4168.9	4276.3	4193.8	3030.7
52.5°	2779.2	2825.3	3138.2	3420.3	3610.3	3875.2	4293.6	4443.3	4616.1	4545.1	3270.6
55°	2103.6	2147.8	2393.4	2965.4	3399.2	3821.5	4333.9	4614.1	4894.4	4827.2	3489.4
57.5°	1781.2	1763.9	1907.8	2368.5	2996.1	3667.9	4372.3	4742.7	5199.6	5122.8	3727.4
60°	1514.4	1489.4	1581.6	1840.7	2401.1	3368.5	4401.1	4823.4	5516.2	5433.7	4001.9
62.5°	1153.5	1165.1	1251.4	1481.7	1930.9	2856.0	4341.6	4882.9	5892.4	5811.8	4291.7
65°	696.7	748.6	894.4	1124.7	1518.2	2293.6	4076.7	4900.1	6253.3	6180.3	4593.0
67.5°	341.6	368.5	470.2	700.6	1103.6	1817.6	3520.1	4817.6	6614.1	6577.7	4879.0
70°	199.6	197.7	236.1	337.8	643.0	1255.3	2765.8	4510.5	6761.9	6717.8	4940.4
72.5°	147.8	155.5	174.7	201.5	314.8	800.4	2001.9	3959.6	6326.2	6243.7	4391.5
75°	103.6	107.5	134.4	153.5	186.2	401.1	1261.0	2894.4	4894.4	4769.6	2938.5
77.5°	78.7	82.5	96.0	126.7	145.9	195.8	456.8	1568.1	2456.8	2349.3	1186.2
80°	36.5	38.4	59.5	82.5	105.6	115.2	122.8	472.2	550.9	483.7	178.5
82.5°	23.0	26.9	34.5	61.4	74.9	51.8	49.9	103.6	92.1	84.5	42.2
85°	1.9	1.9	15.4	23.0	15.4	7.7	25.0	25.0	28.8	30.7	15.4
87.5°	0.0	0.0	0.0	1.9	3.8	3.8	5.8	5.8	5.8	5.8	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°	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2
2.5°	861.8	829.2	767.7	708.2	656.4	602.7	564.3	552.8	531.7	516.3	527.8
5°	869.5	808.1	681.4	573.9	481.8	418.4	374.3	339.7	307.1	295.6	301.3
7.5°	888.7	790.8	606.5	470.2	362.8	284.1	238.0	211.1	193.9	186.2	182.3
10°	919.4	786.9	547.0	382.0	263.0	195.8	167.0	155.5	151.6	149.7	149.7
12.5°	948.2	771.6	483.7	297.5	195.8	155.5	144.0	138.2	136.3	134.4	132.4
15°	986.6	767.7	429.9	232.2	157.4	140.1	128.6	122.8	119.0	117.1	117.1
17.5°	1017.3	762.0	370.4	184.3	142.0	126.7	115.2	107.5	103.6	101.7	99.8
20°	1065.2	762.0	318.6	157.4	130.5	115.2	101.7	94.0	88.3	84.5	84.5
22.5°	1117.1	767.7	264.9	142.0	120.9	101.7	88.3	78.7	72.9	71.0	69.1
25°	1172.7	765.8	218.8	128.6	107.5	88.3	74.9	65.3	61.4	59.5	59.5
27.5°	1218.8	754.3	178.5	117.1	94.0	74.9	61.4	53.7	51.8	49.9	49.9
30°	1270.6	742.8	145.9	103.6	80.6	63.3	51.8	46.1	42.2	42.2	42.2
32.5°	1335.9	735.1	124.8	90.2	69.1	53.7	44.1	38.4	38.4	36.5	36.5
35°	1426.1	725.5	111.3	78.7	57.6	44.1	36.5	32.6	30.7	32.6	32.6
37.5°	1533.6	712.1	99.8	69.1	49.9	38.4	30.7	28.8	28.8	28.8	28.8
40°	1646.8	710.2	88.3	59.5	42.2	30.7	26.9	23.0	23.0	25.0	26.9
42.5°	1783.1	702.5	80.6	53.7	36.5	26.9	21.1	19.2	21.1	23.0	23.0
45°	1907.8	687.1	72.9	46.1	32.6	23.0	19.2	17.3	17.3	19.2	21.1
47.5°	2061.4	679.5	67.2	40.3	26.9	19.2	15.4	13.4	13.4	15.4	17.3
50°	2245.7	683.3	59.5	34.5	23.0	17.3	13.4	9.6	11.5	13.4	13.4
52.5°	2410.7	677.5	53.7	28.8	19.2	13.4	9.6	7.7	7.7	11.5	11.5
55°	2560.4	671.8	46.1	25.0	15.4	11.5	7.7	5.8	5.8	9.6	9.6
57.5°	2719.7	654.5	40.3	21.1	13.4	9.6	5.8	3.8	5.8	7.7	7.7
60°	2907.8	627.6	34.5	17.3	11.5	9.6	3.8	3.8	3.8	5.8	5.8
62.5°	3090.2	595.0	30.7	17.3	9.6	7.7	3.8	1.9	1.9	3.8	3.8
65°	3299.4	537.4	26.9	15.4	9.6	5.8	3.8	1.9	1.9	1.9	1.9
67.5°	3358.9	454.9	25.0	11.5	7.7	5.8	3.8	1.9	0.0	1.9	1.9
70°	3165.0	341.6	23.0	9.6	5.8	3.8	1.9	1.9	0.0	1.9	1.9
72.5°	2529.7	211.1	19.2	7.7	5.8	3.8	1.9	0.0	0.0	0.0	1.9
75°	1564.3	92.1	13.4	5.8	3.8	3.8	1.9	0.0	0.0	0.0	0.0
77.5°	581.6	48.0	9.6	5.8	3.8	1.9	1.9	0.0	0.0	0.0	0.0
80°	82.5	21.1	5.8	3.8	3.8	1.9	1.9	0.0	0.0	0.0	0.0
82.5°	21.1	9.6	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0
85°	9.6	5.8	3.8	3.8	3.8	1.9	1.9	0.0	0.0	0.0	0.0
87.5°	5.8	5.8	5.8	3.8	3.8	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)