

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: P511160

Luminaire Tested: **PRV-P-PA1B-730-U-T2U-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511160
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-PA1B-730-U-T2U-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 4841 lumens
Efficiency: N/A
Efficacy: 91.7 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

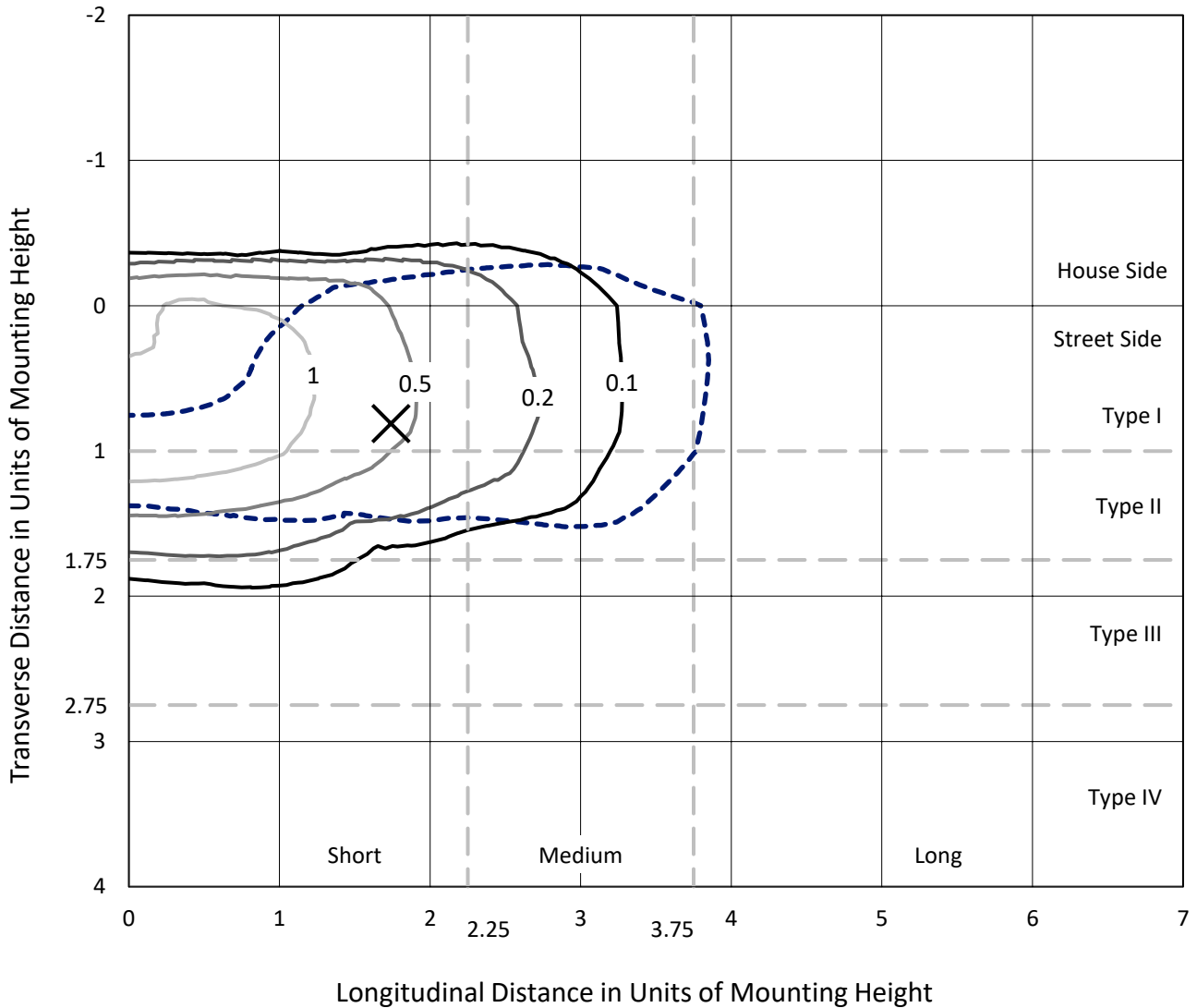
Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511160
 CATALOG NUMBER: PRV-P-PA1B-730-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

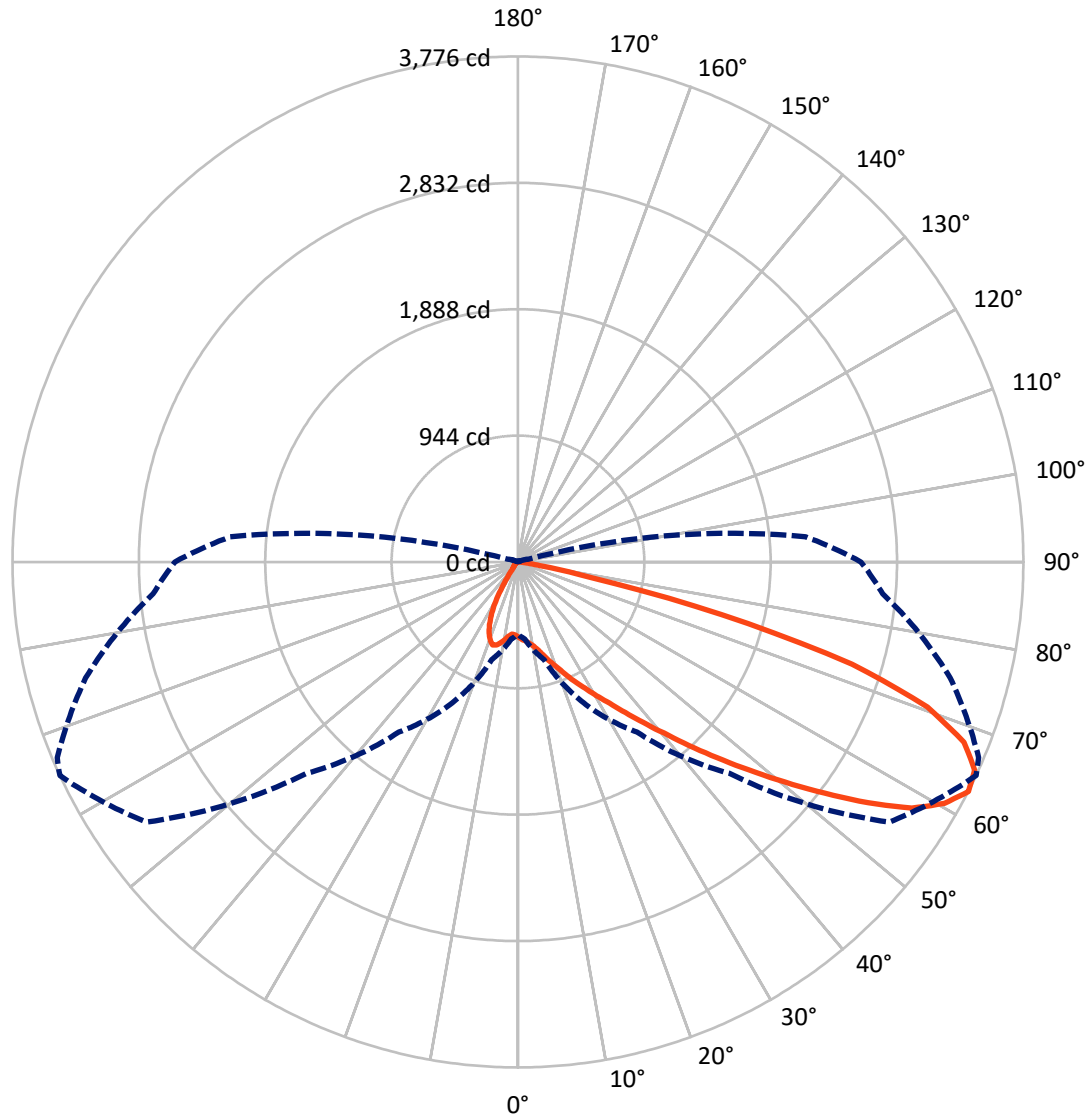
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

REPORT NUMBER: P511160
CATALOG NUMBER: PRV-P-PA1B-730-U-T2U-HSS

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: PRV-P-PA1B-730-U-T2U-HSS

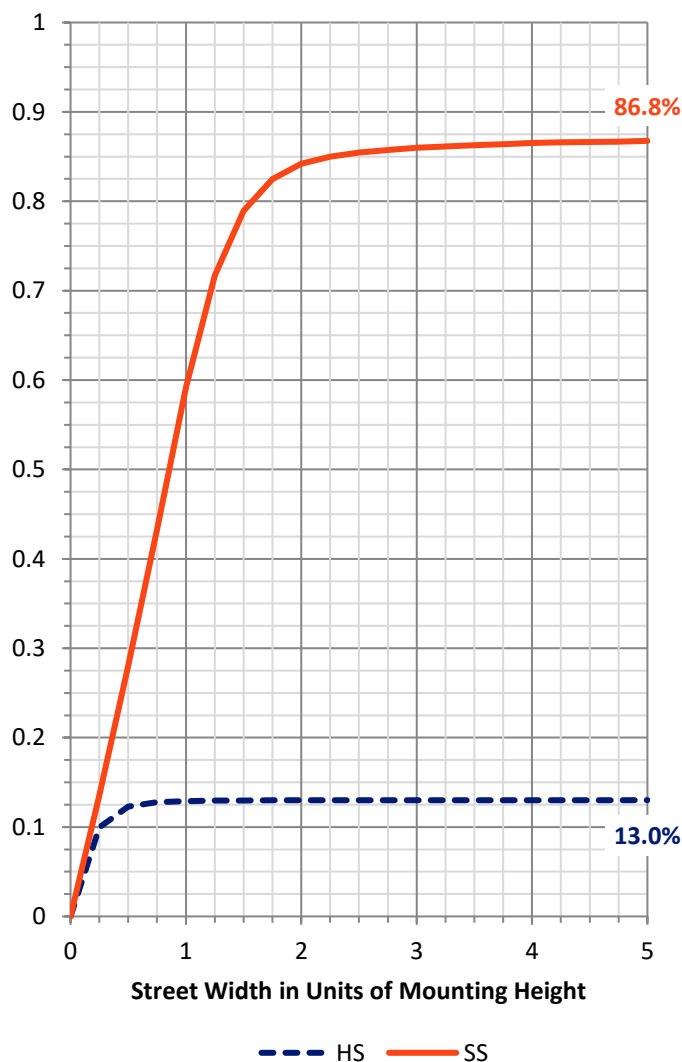
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	637.1	0.0	637.1
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	4203.9	0.0	4203.9
	% Fixture	86.8	0.0	86.8
Total	Lumens	4841.0	0.0	4841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	1.1
10°-20°	158.9	3.3
20°-30°	283.3	5.9
30°-40°	516.9	10.7
40°-50°	971.6	20.1
50°-60°	1288.3	26.6
60°-70°	1070.6	22.1
70°-80°	475.6	9.8
80°-90°	22.4	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°	4841.0	100.0
0°-180°	4841.0	100.0

Coefficient of Utilization

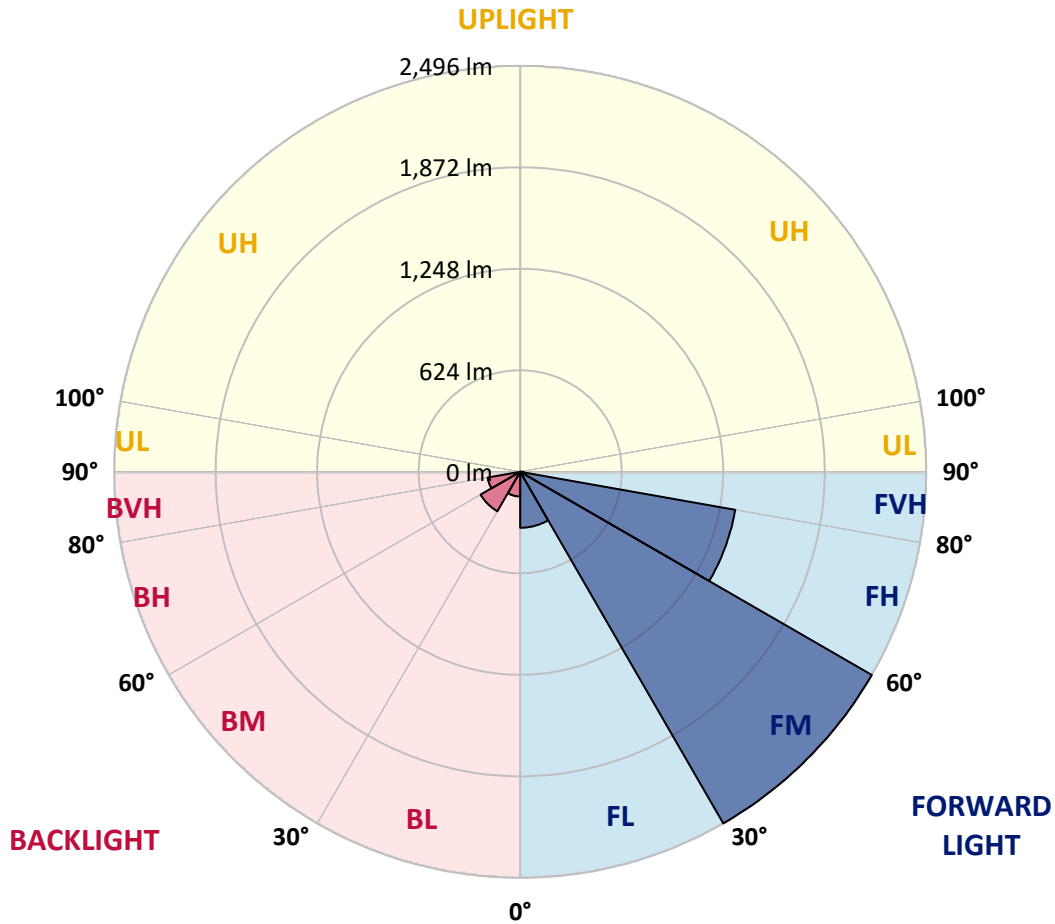


REPORT NUMBER: P511160
 CATALOG NUMBER: PRV-P-PA1B-730-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.1	7.1			
FM (30°-60°)	2496.3	51.6			
FH (60°-80°)	1342.9	27.7			G1/1800
FVH (80°-90°)	20.7	0.4			G1/100
BL (0°-30°)	151.6	3.1	B1/500		
BM (30°-60°)	280.4	5.8	B1/1000		
BH (60°-80°)	203.3	4.2	B1/500		G1/500
BVH (80°-90°)	1.7	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





REPORT NUMBER: P511160

CATALOG NUMBER: PRV-P-PA1B-730-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1
2.5°	583.4	586.4	583.4	587.9	584.9	583.4	581.9	578.9	577.4	571.5	568.5
5°	574.5	574.5	577.4	583.4	584.9	590.8	590.8	592.3	589.4	587.9	580.4
7.5°	567.0	568.5	571.5	578.9	583.4	595.3	602.7	613.2	613.2	608.7	605.7
10°	586.4	587.9	590.8	599.8	604.2	620.6	629.5	638.5	640.0	641.4	640.0
12.5°	617.6	617.6	620.6	628.0	638.5	656.3	668.2	675.7	675.7	680.1	677.2
15°	662.3	660.8	663.8	668.2	674.2	696.5	714.4	726.3	726.3	723.3	714.4
17.5°	708.4	711.4	717.3	717.3	720.3	741.2	765.0	782.8	784.3	776.9	759.0
20°	762.0	765.0	766.5	773.9	770.9	790.3	814.1	842.4	845.3	836.4	805.1
22.5°	808.1	814.1	821.5	829.0	834.9	854.3	873.6	912.3	915.3	904.9	855.7
25°	869.1	864.7	878.1	884.0	895.9	916.8	942.1	989.7	992.7	974.8	915.3
27.5°	927.2	927.2	937.6	955.5	961.4	988.2	1015.0	1067.1	1076.0	1055.2	974.8
30°	1029.9	1037.3	1032.9	1037.3	1031.4	1062.6	1104.3	1159.4	1163.8	1135.5	1044.8
32.5°	1263.5	1260.6	1220.4	1156.4	1129.6	1159.4	1207.0	1257.6	1265.0	1244.2	1114.7
35°	1564.2	1577.6	1507.6	1379.6	1271.0	1271.0	1309.7	1381.1	1385.6	1361.8	1214.4
37.5°	1961.5	1952.6	1849.9	1684.7	1483.8	1419.8	1457.0	1521.0	1528.4	1501.7	1332.0
40°	2232.4	2256.2	2202.6	2038.9	1787.4	1637.1	1617.7	1680.2	1689.2	1663.9	1461.5
42.5°	2445.2	2452.7	2440.7	2361.9	2150.5	1928.8	1817.2	1872.2	1872.2	1830.6	1613.3
45°	2597.0	2605.9	2603.0	2577.7	2472.0	2286.0	2080.6	2085.1	2094.0	2028.5	1766.6
47.5°	2647.6	2647.6	2692.3	2739.9	2742.9	2678.9	2414.0	2318.7	2306.8	2238.3	1930.3
50°	2510.7	2515.2	2625.3	2802.4	2940.8	3031.6	2787.5	2582.1	2553.9	2469.0	2114.8
52.5°	2132.7	2128.2	2318.7	2675.9	3049.4	3292.0	3092.6	2870.9	2832.2	2662.5	2271.1
55°	1714.5	1745.7	1942.2	2291.9	2942.3	3421.5	3336.7	3174.5	3094.1	2879.8	2418.4
57.5°	1290.3	1340.9	1616.2	1912.4	2525.6	3329.2	3481.0	3469.1	3391.7	3065.8	2547.9
60°	829.0	875.1	1163.8	1529.9	2040.4	2952.7	3506.3	3659.6	3620.9	3232.5	2674.4
62.5°	541.7	577.4	756.0	1162.3	1550.8	2232.4	3387.3	3775.7	3738.5	3342.6	2735.4
65°	318.5	331.9	448.0	796.2	1138.5	1454.0	3067.3	3748.9	3772.7	3439.4	2774.1
67.5°	229.2	230.7	284.3	442.0	803.7	839.4	2317.2	3594.1	3646.2	3472.1	2760.7
70°	195.0	200.9	238.1	291.7	562.6	440.5	1342.4	3244.4	3372.4	3427.5	2726.5
72.5°	150.3	159.2	196.5	250.0	403.3	297.7	509.0	2610.4	2784.5	3092.6	2597.0
75°	95.2	104.2	145.8	199.4	285.7	238.1	206.9	1570.1	1754.7	2141.6	2079.1
77.5°	56.6	58.0	89.3	142.9	253.0	177.1	120.5	544.7	720.3	1043.3	1067.1
80°	28.3	31.3	49.1	90.8	156.3	131.0	72.9	165.2	206.9	360.2	250.0
82.5°	16.4	17.9	26.8	50.6	81.9	77.4	40.2	72.9	81.9	98.2	43.2
85°	1.5	3.0	13.4	20.8	28.3	17.9	16.4	29.8	31.3	44.6	14.9
87.5°	0.0	0.0	1.5	1.5	3.0	3.0	4.5	6.0	6.0	6.0	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P511160

CATALOG NUMBER: PRV-P-PA1B-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1
2.5°	562.6	562.6	553.6	546.2	541.7	535.8	528.3	525.4	520.9	519.4	520.9
5°	577.4	570.0	553.6	540.2	528.3	517.9	507.5	503.0	498.6	498.6	498.6
7.5°	601.3	592.3	573.0	556.6	541.7	532.8	516.4	500.1	485.2	480.7	477.7
10°	635.5	625.1	604.2	586.4	568.5	535.8	489.6	443.5	410.8	394.4	395.9
12.5°	669.7	657.8	638.5	617.6	576.0	497.1	412.2	336.3	287.2	261.9	254.5
15°	708.4	695.0	672.7	641.4	549.2	421.2	300.6	199.4	145.8	128.0	122.0
17.5°	751.6	732.2	709.9	647.4	489.6	309.6	166.7	104.2	87.8	83.3	81.9
20°	790.3	773.9	742.6	620.6	403.3	190.5	93.8	77.4	71.4	68.5	68.5
22.5°	834.9	811.1	773.9	574.5	297.7	107.2	72.9	64.0	58.0	56.6	55.1
25°	881.0	851.3	796.2	512.0	189.0	75.9	61.0	53.6	47.6	44.6	46.1
27.5°	934.6	888.5	805.1	430.1	108.6	64.0	50.6	43.2	38.7	37.2	37.2
30°	976.3	934.6	794.7	337.8	74.4	55.1	41.7	34.2	31.3	29.8	29.8
32.5°	1037.3	980.8	766.5	221.8	61.0	46.1	34.2	28.3	25.3	25.3	25.3
35°	1120.7	1041.8	720.3	132.5	52.1	38.7	28.3	23.8	22.3	22.3	22.3
37.5°	1227.8	1135.5	678.6	77.4	43.2	31.3	23.8	20.8	19.3	19.3	19.3
40°	1343.9	1241.2	629.5	55.1	35.7	26.8	20.8	17.9	16.4	16.4	17.9
42.5°	1489.7	1361.8	561.1	47.6	31.3	22.3	17.9	14.9	13.4	14.9	14.9
45°	1623.7	1489.7	480.7	40.2	26.8	19.3	14.9	11.9	11.9	13.4	13.4
47.5°	1790.4	1617.7	378.0	35.7	23.8	16.4	11.9	10.4	10.4	11.9	11.9
50°	1942.2	1747.2	278.3	31.3	20.8	13.4	10.4	8.9	8.9	8.9	10.4
52.5°	2095.5	1876.7	212.8	26.8	17.9	11.9	8.9	7.4	6.0	7.4	7.4
55°	2238.3	1979.4	162.2	23.8	14.9	10.4	7.4	6.0	4.5	6.0	6.0
57.5°	2372.3	2058.3	132.5	20.8	13.4	8.9	6.0	4.5	4.5	4.5	4.5
60°	2473.5	2119.3	101.2	17.9	11.9	7.4	4.5	3.0	3.0	3.0	3.0
62.5°	2562.8	2156.5	80.4	14.9	10.4	6.0	3.0	3.0	1.5	1.5	1.5
65°	2617.8	2162.4	64.0	13.4	8.9	6.0	3.0	1.5	0.0	0.0	0.0
67.5°	2640.2	2138.6	52.1	10.4	7.4	4.5	3.0	1.5	0.0	0.0	0.0
70°	2631.2	2059.8	40.2	8.9	6.0	3.0	3.0	1.5	0.0	0.0	0.0
72.5°	2515.2	1826.1	29.8	7.4	4.5	3.0	1.5	1.5	0.0	0.0	0.0
75°	1967.5	983.7	20.8	6.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0
77.5°	1041.8	349.7	13.4	4.5	3.0	1.5	1.5	1.5	0.0	0.0	0.0
80°	187.5	72.9	6.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
82.5°	29.8	7.4	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
85°	10.4	4.5	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	1.5	1.5	1.5	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)