

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: P511158

Luminaire Tested: **PRV-P-PA1B-730-U-T2R-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511158
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-PA1B-730-U-T2R-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 5547 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

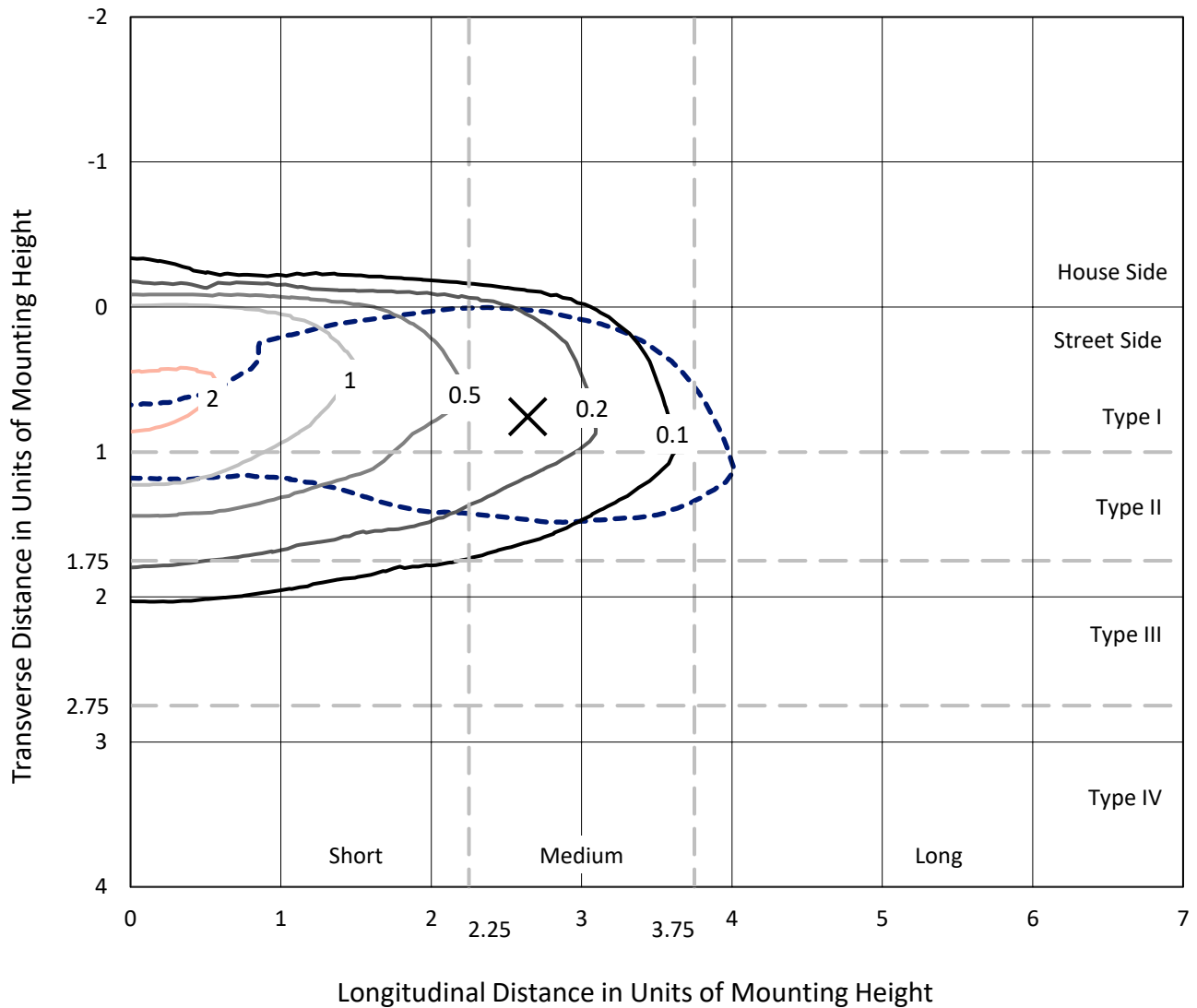
Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

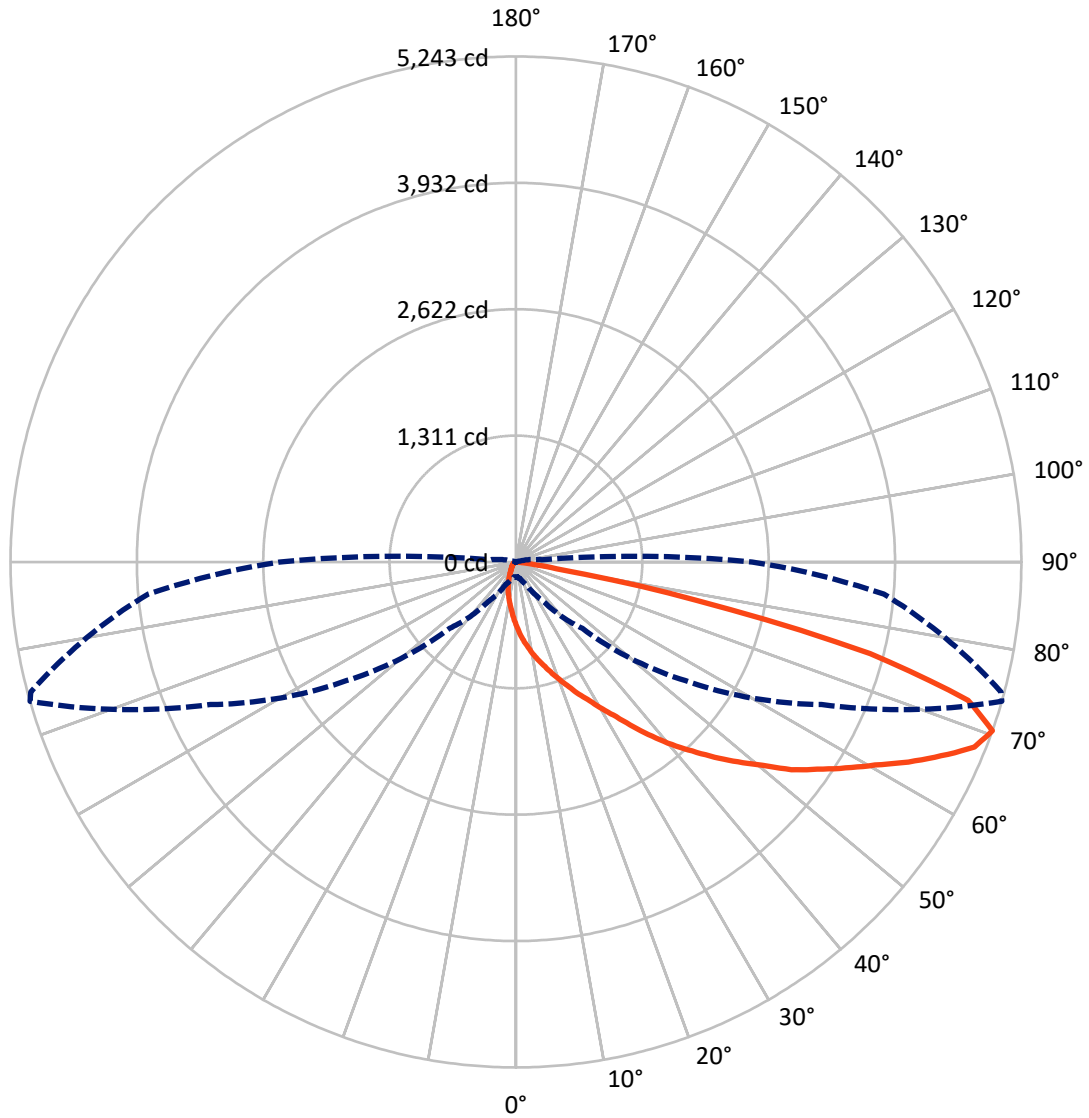
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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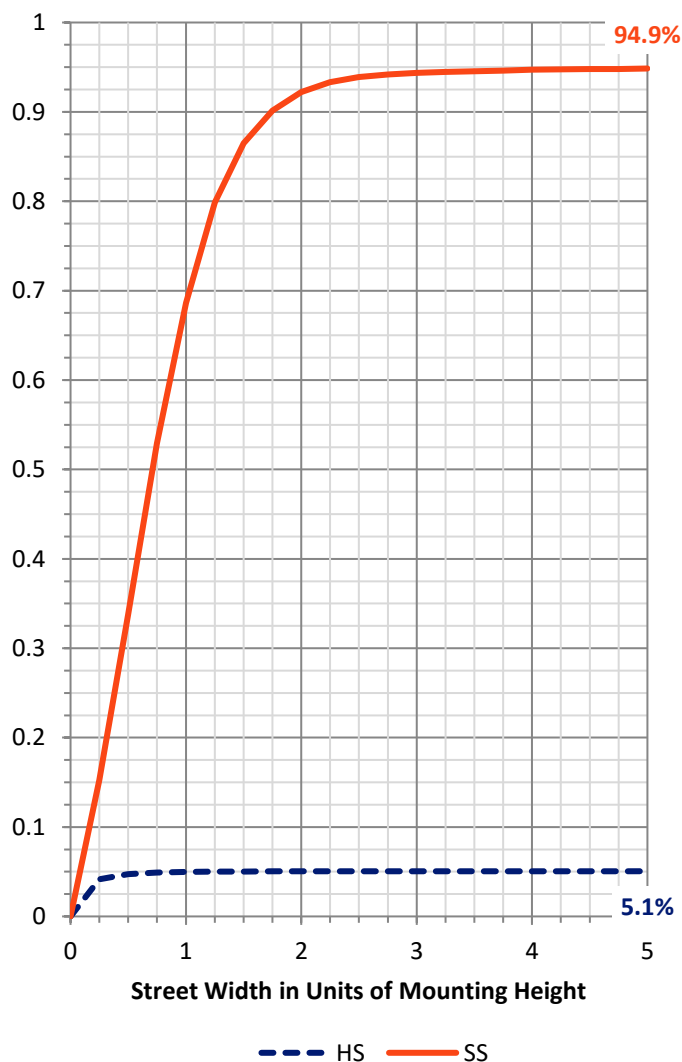
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	282.2	0.0	282.2
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	5264.8	0.0	5264.8
	% Fixture	94.9	0.0	94.9
Total	Lumens	5547.0	0.0	5547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.1
10°-20°	201.1	3.6
20°-30°	402.1	7.2
30°-40°	751.6	13.5
40°-50°	1113.9	20.1
50°-60°	1273.6	23.0
60°-70°	1153.4	20.8
70°-80°	569.5	10.3
80°-90°	19.3	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°	5547.0	100.0
0°-180°	5547.0	100.0

Coefficient of Utilization



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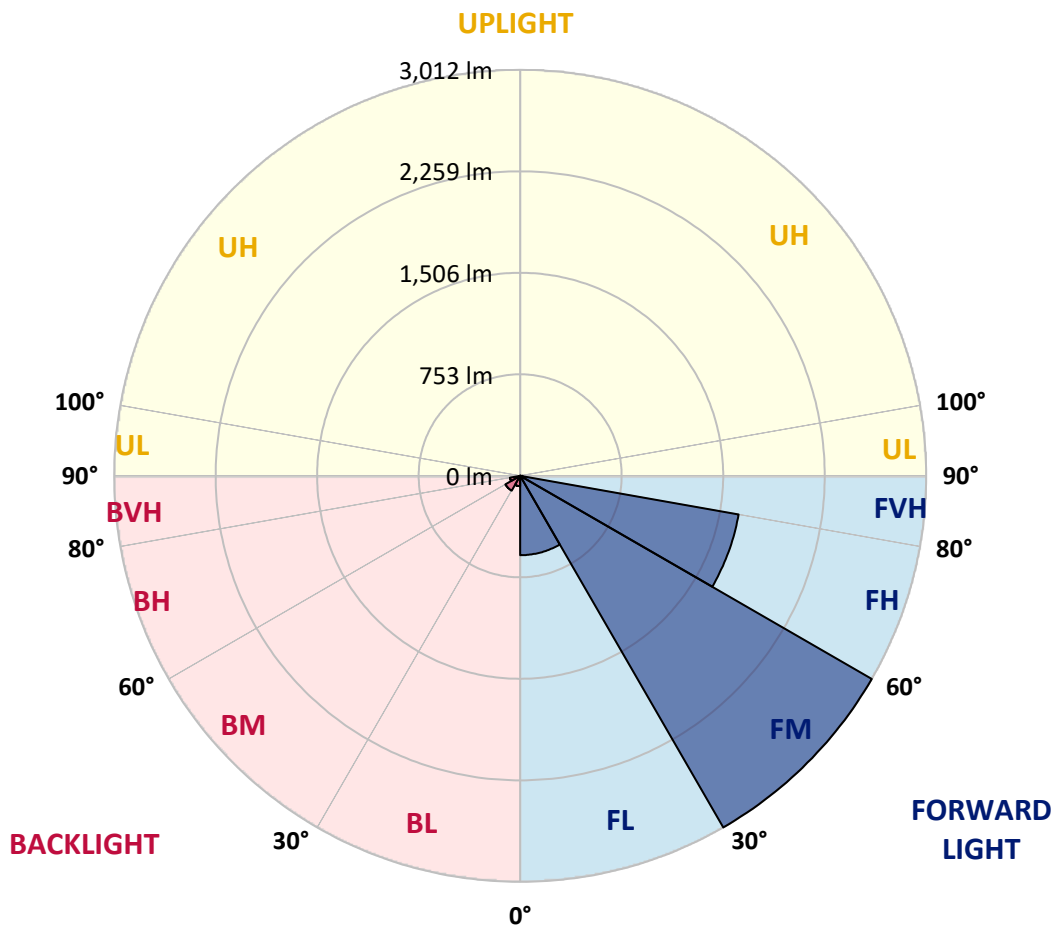
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.8	10.6			
FM (30°-60°)	3012.2	54.3			
FH (60°-80°)	1645.6	29.7			G1/1800
FVH (80°-90°)	18.1	0.3			G1/100
BL (0°-30°)	76.9	1.4	B0/110		
BM (30°-60°)	126.9	2.3	B0/220		
BH (60°-80°)	77.3	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	660.8	660.8	660.8	660.8	660.8	660.8	660.8	660.8	660.8	660.8	660.8
2.5°	906.3	900.4	894.4	894.4	876.6	840.8	820.0	784.3	741.1	732.2	693.5
5°	1037.3	1043.2	1035.8	1020.9	1004.5	976.3	936.1	876.6	815.5	811.1	720.3
7.5°	1104.3	1107.2	1102.8	1104.3	1095.3	1065.6	1034.3	970.3	891.4	884.0	760.5
10°	1160.8	1163.8	1159.3	1162.3	1148.9	1143.0	1114.7	1055.1	970.3	961.4	806.6
12.5°	1232.2	1230.8	1229.3	1235.2	1218.8	1208.4	1190.6	1137.0	1047.7	1031.3	861.7
15°	1275.4	1278.4	1275.4	1291.8	1296.2	1285.8	1259.0	1217.4	1125.1	1114.7	916.7
17.5°	1305.2	1305.2	1318.6	1345.3	1357.3	1361.7	1354.3	1299.2	1214.4	1199.5	983.7
20°	1336.4	1345.3	1357.3	1388.5	1410.8	1433.2	1445.1	1415.3	1306.7	1293.3	1049.2
22.5°	1421.2	1424.2	1425.7	1455.5	1476.3	1506.1	1519.5	1521.0	1403.4	1391.5	1116.2
25°	1674.2	1653.4	1610.3	1574.5	1583.5	1590.9	1590.9	1634.1	1521.0	1498.6	1187.6
27.5°	2019.5	2007.6	1952.5	1864.7	1717.4	1705.5	1690.6	1754.6	1628.1	1599.8	1251.6
30°	2342.5	2339.5	2262.1	2159.4	2004.6	1849.9	1793.3	1861.8	1769.5	1726.3	1315.6
32.5°	2558.2	2562.7	2522.5	2439.2	2300.8	2093.9	1909.4	1964.4	1912.4	1882.6	1394.5
35°	2699.6	2699.6	2668.4	2622.2	2527.0	2358.8	2082.0	2092.4	2099.9	2068.6	1501.6
37.5°	2794.9	2784.5	2751.7	2724.9	2680.3	2588.0	2336.5	2229.3	2293.3	2232.3	1619.2
40°	2863.3	2845.5	2823.1	2790.4	2772.5	2757.7	2591.0	2384.1	2491.3	2431.7	1745.7
42.5°	2896.1	2893.1	2866.3	2844.0	2835.1	2881.2	2820.2	2568.7	2680.3	2635.6	1873.7
45°	2902.0	2903.5	2896.1	2866.3	2870.8	2964.5	2989.8	2780.0	2888.6	2836.5	2022.5
47.5°	2857.4	2857.4	2878.2	2882.7	2888.6	2998.8	3153.5	3019.6	3097.0	3038.9	2171.3
50°	2666.9	2690.7	2763.6	2827.6	2849.9	3018.1	3263.7	3232.4	3315.7	3251.8	2349.9
52.5°	2154.9	2190.7	2433.2	2652.0	2799.3	3004.7	3329.1	3445.2	3579.2	3524.1	2535.9
55°	1631.1	1665.3	1855.8	2299.3	2635.6	2963.0	3360.4	3577.7	3795.0	3742.9	2705.6
57.5°	1381.1	1367.7	1479.3	1836.5	2323.1	2844.0	3390.2	3677.4	4031.6	3972.1	2890.1
60°	1174.2	1154.9	1226.3	1427.2	1861.8	2611.8	3412.5	3739.9	4277.1	4213.1	3102.9
62.5°	894.4	903.3	970.3	1148.9	1497.1	2214.5	3366.3	3786.0	4568.8	4506.3	3327.7
65°	540.2	580.4	693.5	872.1	1177.2	1778.4	3161.0	3799.4	4848.6	4792.1	3561.3
67.5°	264.9	285.7	364.6	543.2	855.7	1409.3	2729.4	3735.4	5128.4	5100.1	3783.0
70°	154.8	153.3	183.1	261.9	498.6	973.3	2144.5	3497.3	5243.0	5208.8	3830.7
72.5°	114.6	120.5	135.4	156.3	244.1	620.6	1552.2	3070.2	4905.2	4841.2	3405.0
75°	80.4	83.3	104.2	119.1	144.4	311.0	977.8	2244.2	3795.0	3698.2	2278.5
77.5°	61.0	64.0	74.4	98.2	113.1	151.8	354.2	1215.9	1904.9	1821.6	919.7
80°	28.3	29.8	46.1	64.0	81.9	89.3	95.2	366.1	427.1	375.0	138.4
82.5°	17.9	20.8	26.8	47.6	58.0	40.2	38.7	80.4	71.4	65.5	32.7
85°	1.5	1.5	11.9	17.9	11.9	6.0	19.3	19.3	22.3	23.8	11.9
87.5°	0.0	0.0	0.0	1.5	3.0	3.0	4.5	4.5	4.5	4.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	660.8	660.8	660.8	660.8	660.8	660.8	660.8	660.8	660.8	660.8	660.8
2.5°	668.2	642.9	595.3	549.2	509.0	467.3	437.5	428.6	412.2	400.3	409.3
5°	674.2	626.5	528.3	445.0	373.5	324.4	290.2	263.4	238.1	229.2	233.7
7.5°	689.0	613.1	470.3	364.6	281.3	220.3	184.5	163.7	150.3	144.4	141.4
10°	712.9	610.2	424.1	296.2	203.9	151.8	129.5	120.5	117.6	116.1	116.1
12.5°	735.2	598.3	375.0	230.7	151.8	120.5	111.6	107.2	105.7	104.2	102.7
15°	764.9	595.3	333.4	180.1	122.0	108.6	99.7	95.2	92.3	90.8	90.8
17.5°	788.8	590.8	287.2	142.9	110.1	98.2	89.3	83.3	80.4	78.9	77.4
20°	826.0	590.8	247.0	122.0	101.2	89.3	78.9	72.9	68.5	65.5	65.5
22.5°	866.1	595.3	205.4	110.1	93.8	78.9	68.5	61.0	56.6	55.1	53.6
25°	909.3	593.8	169.7	99.7	83.3	68.5	58.0	50.6	47.6	46.1	46.1
27.5°	945.0	584.9	138.4	90.8	72.9	58.0	47.6	41.7	40.2	38.7	38.7
30°	985.2	575.9	113.1	80.4	62.5	49.1	40.2	35.7	32.7	32.7	32.7
32.5°	1035.8	570.0	96.7	69.9	53.6	41.7	34.2	29.8	29.8	28.3	28.3
35°	1105.7	562.5	86.3	61.0	44.6	34.2	28.3	25.3	23.8	25.3	25.3
37.5°	1189.1	552.1	77.4	53.6	38.7	29.8	23.8	22.3	22.3	22.3	22.3
40°	1276.9	550.6	68.5	46.1	32.7	23.8	20.8	17.9	17.9	19.3	20.8
42.5°	1382.6	544.7	62.5	41.7	28.3	20.8	16.4	14.9	16.4	17.9	17.9
45°	1479.3	532.8	56.6	35.7	25.3	17.9	14.9	13.4	13.4	14.9	16.4
47.5°	1598.3	526.8	52.1	31.3	20.8	14.9	11.9	10.4	10.4	11.9	13.4
50°	1741.2	529.8	46.1	26.8	17.9	13.4	10.4	7.4	8.9	10.4	10.4
52.5°	1869.2	525.3	41.7	22.3	14.9	10.4	7.4	6.0	6.0	8.9	8.9
55°	1985.3	520.9	35.7	19.3	11.9	8.9	6.0	4.5	4.5	7.4	7.4
57.5°	2108.8	507.5	31.3	16.4	10.4	7.4	4.5	3.0	4.5	6.0	6.0
60°	2254.6	486.6	26.8	13.4	8.9	7.4	3.0	3.0	3.0	4.5	4.5
62.5°	2396.0	461.3	23.8	13.4	7.4	6.0	3.0	1.5	1.5	3.0	3.0
65°	2558.2	416.7	20.8	11.9	7.4	4.5	3.0	1.5	1.5	1.5	1.5
67.5°	2604.4	352.7	19.3	8.9	6.0	4.5	3.0	1.5	0.0	1.5	1.5
70°	2454.1	264.9	17.9	7.4	4.5	3.0	1.5	1.5	0.0	1.5	1.5
72.5°	1961.5	163.7	14.9	6.0	4.5	3.0	1.5	0.0	0.0	0.0	1.5
75°	1212.9	71.4	10.4	4.5	3.0	3.0	1.5	0.0	0.0	0.0	0.0
77.5°	450.9	37.2	7.4	4.5	3.0	1.5	1.5	0.0	0.0	0.0	0.0
80°	64.0	16.4	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
82.5°	16.4	7.4	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0
85°	7.4	4.5	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
87.5°	4.5	4.5	4.5	3.0	3.0	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)