

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: P511167

Luminaire Tested: **PRV-P-PA1B-740-U-T2R-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511167
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-740-U-T2R-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 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: 6091 lumens
Efficiency: N/A
Efficacy: 115.4 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

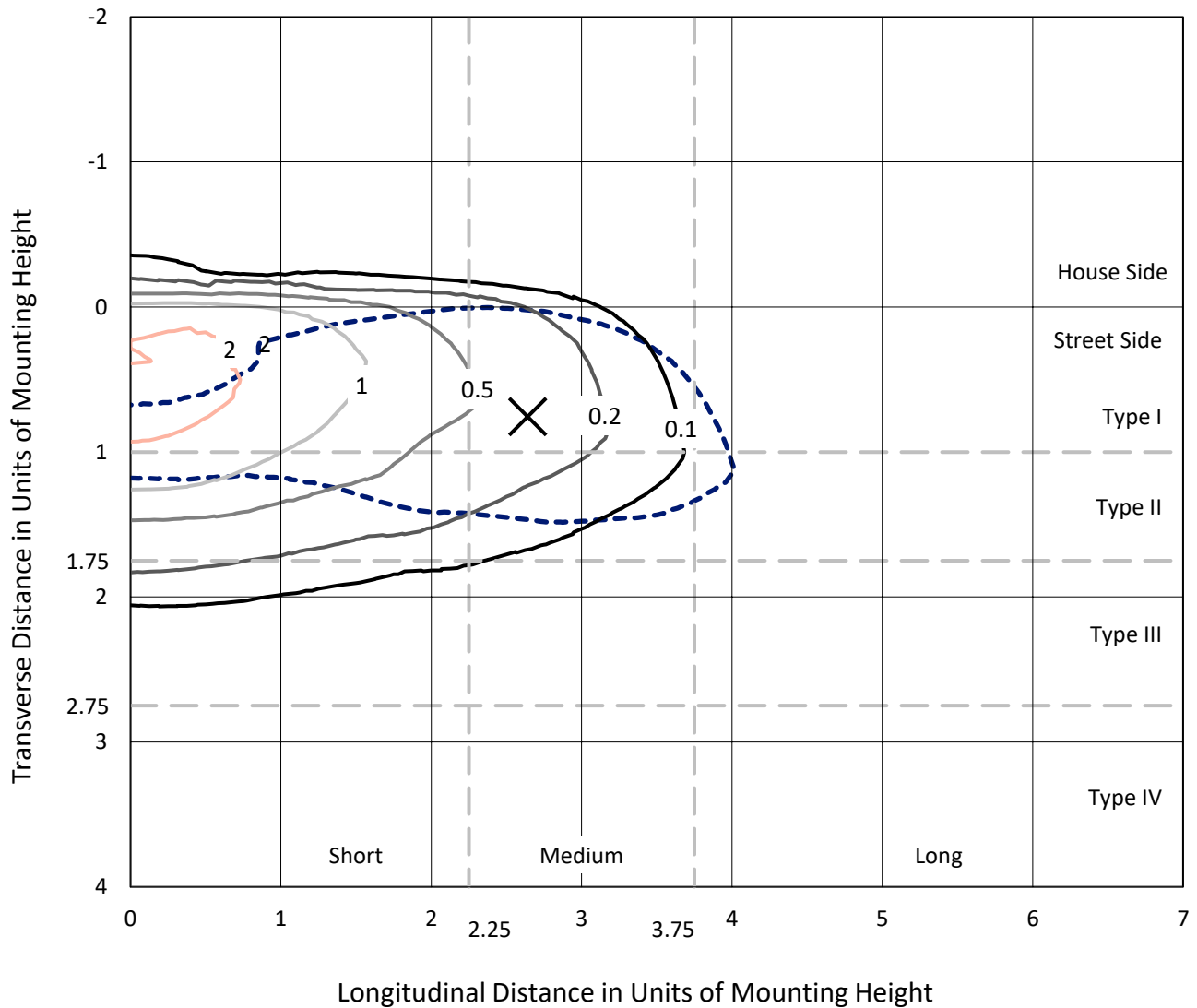
Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

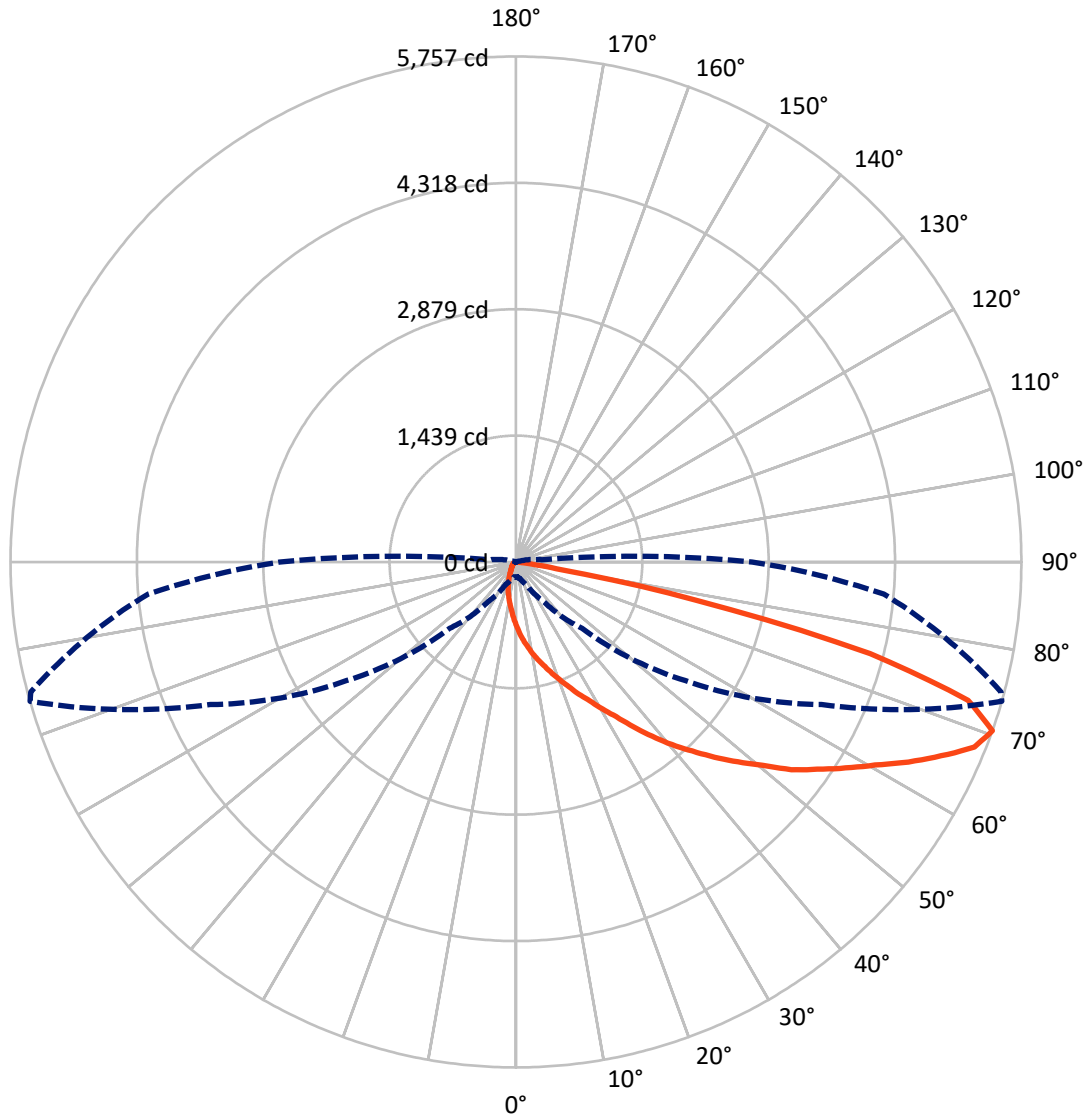
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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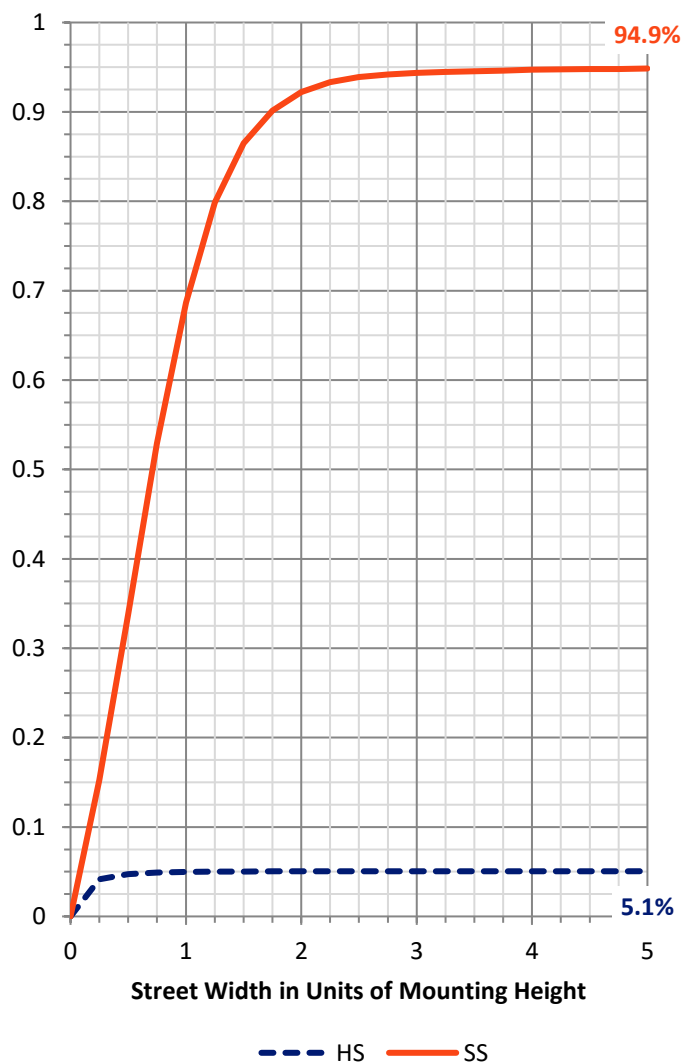
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	309.9	0.0	309.9
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	5781.1	0.0	5781.1
	% Fixture	94.9	0.0	94.9
Total	Lumens	6091.0	0.0	6091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	1.1
10°-20°	220.8	3.6
20°-30°	441.5	7.2
30°-40°	825.3	13.5
40°-50°	1223.1	20.1
50°-60°	1398.5	23.0
60°-70°	1266.6	20.8
70°-80°	625.4	10.3
80°-90°	21.2	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°	6091.0	100.0
0°-180°	6091.0	100.0

Coefficient of Utilization



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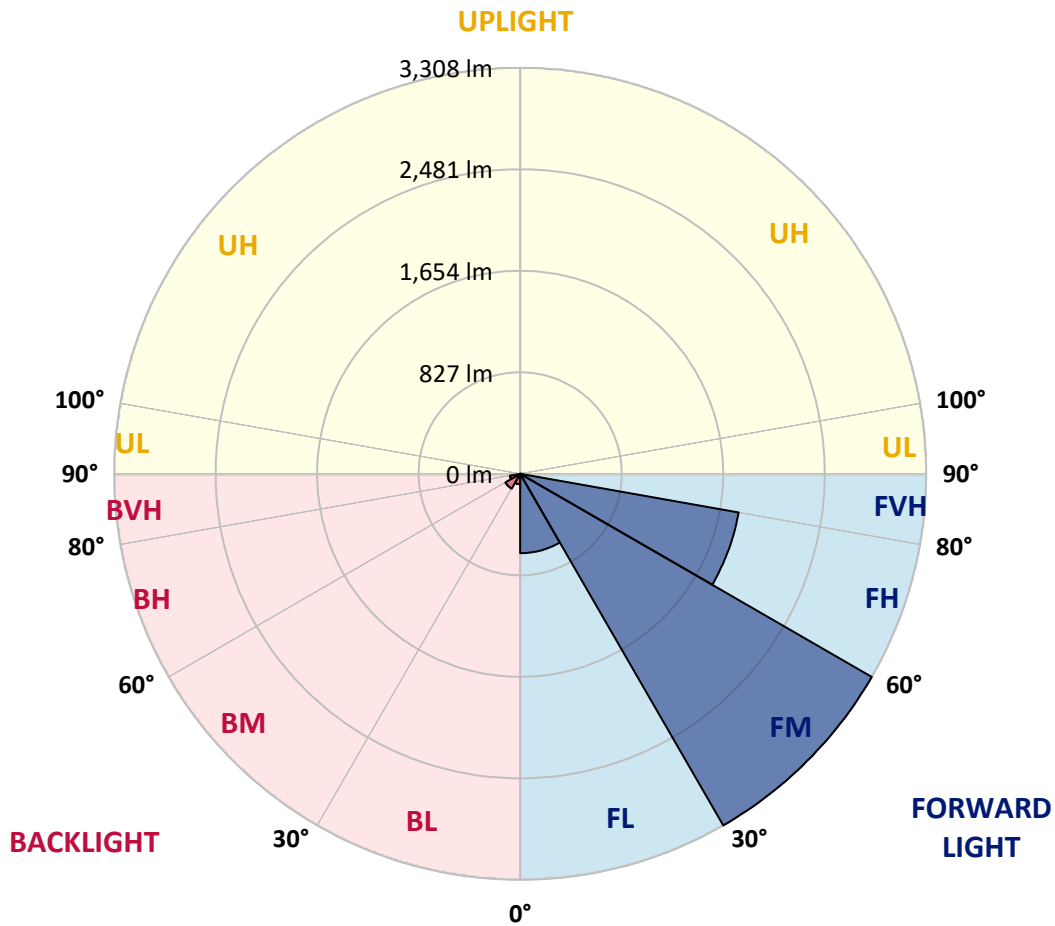
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.6	10.6			
FM (30°-60°)	3307.6	54.3			
FH (60°-80°)	1807.0	29.7			G2/5000
FVH (80°-90°)	19.9	0.3			G1/100
BL (0°-30°)	84.4	1.4	B0/110		
BM (30°-60°)	139.3	2.3	B0/220		
BH (60°-80°)	84.9	1.4	B0/110		G0/110
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: 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°	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6
2.5°	995.2	988.7	982.1	982.1	962.5	923.3	900.4	861.2	813.8	804.0	761.5
5°	1139.0	1145.6	1137.4	1121.0	1103.1	1072.0	1027.9	962.5	895.5	890.6	790.9
7.5°	1212.6	1215.8	1210.9	1212.6	1202.7	1170.1	1135.7	1065.5	978.9	970.7	835.1
10°	1274.7	1277.9	1273.0	1276.3	1261.6	1255.0	1224.0	1158.6	1065.5	1055.7	885.7
12.5°	1353.1	1351.5	1349.8	1356.4	1338.4	1326.9	1307.3	1248.5	1150.5	1132.5	946.2
15°	1400.5	1403.8	1400.5	1418.5	1423.4	1411.9	1382.5	1336.7	1235.4	1224.0	1006.6
17.5°	1433.2	1433.2	1447.9	1477.3	1490.4	1495.3	1487.1	1426.6	1333.5	1317.1	1080.2
20°	1467.5	1477.3	1490.4	1524.7	1549.2	1573.7	1586.8	1554.1	1434.8	1420.1	1152.1
22.5°	1560.6	1563.9	1565.5	1598.2	1621.1	1653.8	1668.5	1670.1	1541.0	1527.9	1225.6
25°	1838.4	1815.6	1768.2	1728.9	1738.8	1746.9	1746.9	1794.3	1670.1	1645.6	1304.1
27.5°	2217.6	2204.5	2144.0	2047.6	1885.8	1872.8	1856.4	1926.7	1787.8	1756.7	1374.3
30°	2572.2	2568.9	2483.9	2371.2	2201.2	2031.3	1969.2	2044.3	1943.0	1895.6	1444.6
32.5°	2809.1	2814.0	2769.9	2678.4	2526.4	2299.3	2096.6	2157.1	2099.9	2067.2	1531.2
35°	2964.4	2964.4	2930.1	2879.4	2774.8	2590.2	2286.2	2297.6	2305.8	2271.5	1648.9
37.5°	3069.0	3057.5	3021.6	2992.2	2943.1	2841.8	2565.6	2448.0	2518.3	2451.3	1778.0
40°	3144.1	3124.5	3100.0	3064.1	3044.5	3028.1	2845.1	2617.9	2735.6	2670.2	1916.9
42.5°	3180.1	3176.8	3147.4	3122.9	3113.1	3163.7	3096.7	2820.6	2943.1	2894.1	2057.4
45°	3186.6	3188.3	3180.1	3147.4	3152.3	3255.3	3283.0	3052.6	3171.9	3114.7	2220.8
47.5°	3137.6	3137.6	3160.5	3165.4	3171.9	3292.8	3462.8	3315.7	3400.7	3337.0	2384.3
50°	2928.4	2954.6	3034.6	3104.9	3129.4	3314.1	3583.7	3549.4	3640.9	3570.7	2580.4
52.5°	2366.3	2405.5	2671.9	2912.1	3073.9	3299.4	3655.6	3783.1	3930.2	3869.7	2784.6
55°	1791.0	1828.6	2037.8	2524.8	2894.1	3253.6	3690.0	3928.5	4167.1	4109.9	2970.9
57.5°	1516.5	1501.8	1624.4	2016.6	2550.9	3122.9	3722.6	4038.0	4427.0	4361.6	3173.6
60°	1289.4	1268.1	1346.6	1567.2	2044.3	2868.0	3747.1	4106.7	4696.6	4626.3	3407.2
62.5°	982.1	991.9	1065.5	1261.6	1644.0	2431.6	3696.5	4157.3	5016.9	4948.3	3654.0
65°	593.2	637.3	761.5	957.6	1292.6	1952.8	3471.0	4172.0	5324.1	5262.0	3910.6
67.5°	290.9	313.8	400.4	596.5	939.6	1547.6	2997.1	4101.8	5631.3	5600.3	4154.1
70°	170.0	168.3	201.0	287.6	547.4	1068.7	2354.8	3840.3	5757.2	5719.6	4206.3
72.5°	125.8	132.4	148.7	171.6	268.0	681.4	1704.4	3371.3	5386.2	5315.9	3739.0
75°	88.2	91.5	114.4	130.7	158.5	341.5	1073.6	2464.3	4167.1	4060.9	2501.9
77.5°	67.0	70.3	81.7	107.9	124.2	166.7	388.9	1335.1	2091.7	2000.2	1009.9
80°	31.0	32.7	50.7	70.3	89.9	98.1	104.6	402.0	469.0	411.8	152.0
82.5°	19.6	22.9	29.4	52.3	63.7	44.1	42.5	88.2	78.4	71.9	36.0
85°	1.6	1.6	13.1	19.6	13.1	6.5	21.2	21.2	24.5	26.1	13.1
87.5°	0.0	0.0	0.0	1.6	3.3	3.3	4.9	4.9	4.9	4.9	4.9
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°	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6
2.5°	733.7	706.0	653.7	603.0	558.9	513.1	480.4	470.6	452.7	439.6	449.4
5°	740.3	688.0	580.1	488.6	410.2	356.2	318.7	289.2	261.5	251.7	256.6
7.5°	756.6	673.3	516.4	400.4	308.9	241.9	202.6	179.8	165.1	158.5	155.2
10°	782.8	670.0	465.7	325.2	223.9	166.7	142.2	132.4	129.1	127.5	127.5
12.5°	807.3	656.9	411.8	253.3	166.7	132.4	122.6	117.7	116.0	114.4	112.8
15°	840.0	653.7	366.1	197.7	134.0	119.3	109.5	104.6	101.3	99.7	99.7
17.5°	866.1	648.8	315.4	156.9	120.9	107.9	98.1	91.5	88.2	86.6	85.0
20°	907.0	648.8	271.3	134.0	111.1	98.1	86.6	80.1	75.2	71.9	71.9
22.5°	951.1	653.7	225.5	120.9	103.0	86.6	75.2	67.0	62.1	60.5	58.8
25°	998.5	652.0	186.3	109.5	91.5	75.2	63.7	55.6	52.3	50.7	50.7
27.5°	1037.7	642.2	152.0	99.7	80.1	63.7	52.3	45.8	44.1	42.5	42.5
30°	1081.8	632.4	124.2	88.2	68.6	53.9	44.1	39.2	36.0	36.0	36.0
32.5°	1137.4	625.9	106.2	76.8	58.8	45.8	37.6	32.7	32.7	31.0	31.0
35°	1214.2	617.7	94.8	67.0	49.0	37.6	31.0	27.8	26.1	27.8	27.8
37.5°	1305.7	606.3	85.0	58.8	42.5	32.7	26.1	24.5	24.5	24.5	24.5
40°	1402.1	604.6	75.2	50.7	36.0	26.1	22.9	19.6	19.6	21.2	22.9
42.5°	1518.1	598.1	68.6	45.8	31.0	22.9	18.0	16.3	18.0	19.6	19.6
45°	1624.4	585.0	62.1	39.2	27.8	19.6	16.3	14.7	14.7	16.3	18.0
47.5°	1755.1	578.5	57.2	34.3	22.9	16.3	13.1	11.4	11.4	13.1	14.7
50°	1912.0	581.8	50.7	29.4	19.6	14.7	11.4	8.2	9.8	11.4	11.4
52.5°	2052.5	576.9	45.8	24.5	16.3	11.4	8.2	6.5	6.5	9.8	9.8
55°	2180.0	572.0	39.2	21.2	13.1	9.8	6.5	4.9	4.9	8.2	8.2
57.5°	2315.6	557.3	34.3	18.0	11.4	8.2	4.9	3.3	4.9	6.5	6.5
60°	2475.8	534.4	29.4	14.7	9.8	8.2	3.3	3.3	3.3	4.9	4.9
62.5°	2631.0	506.6	26.1	14.7	8.2	6.5	3.3	1.6	1.6	3.3	3.3
65°	2809.1	457.6	22.9	13.1	8.2	4.9	3.3	1.6	1.6	1.6	1.6
67.5°	2859.8	387.3	21.2	9.8	6.5	4.9	3.3	1.6	0.0	1.6	1.6
70°	2694.7	290.9	19.6	8.2	4.9	3.3	1.6	1.6	0.0	1.6	1.6
72.5°	2153.8	179.8	16.3	6.5	4.9	3.3	1.6	0.0	0.0	0.0	1.6
75°	1331.8	78.4	11.4	4.9	3.3	3.3	1.6	0.0	0.0	0.0	0.0
77.5°	495.2	40.9	8.2	4.9	3.3	1.6	1.6	0.0	0.0	0.0	0.0
80°	70.3	18.0	4.9	3.3	3.3	1.6	1.6	0.0	0.0	0.0	0.0
82.5°	18.0	8.2	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0
85°	8.2	4.9	3.3	3.3	3.3	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	4.9	4.9	4.9	3.3	3.3	1.6	1.6	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)