

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: P511245

Luminaire Tested: **PRV-P-PA1C-8540-U-T4W-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1C-8540-U-T4W-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5475.5 lumens
Efficiency: N/A
Efficacy: 75.9 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: 28.75 FT

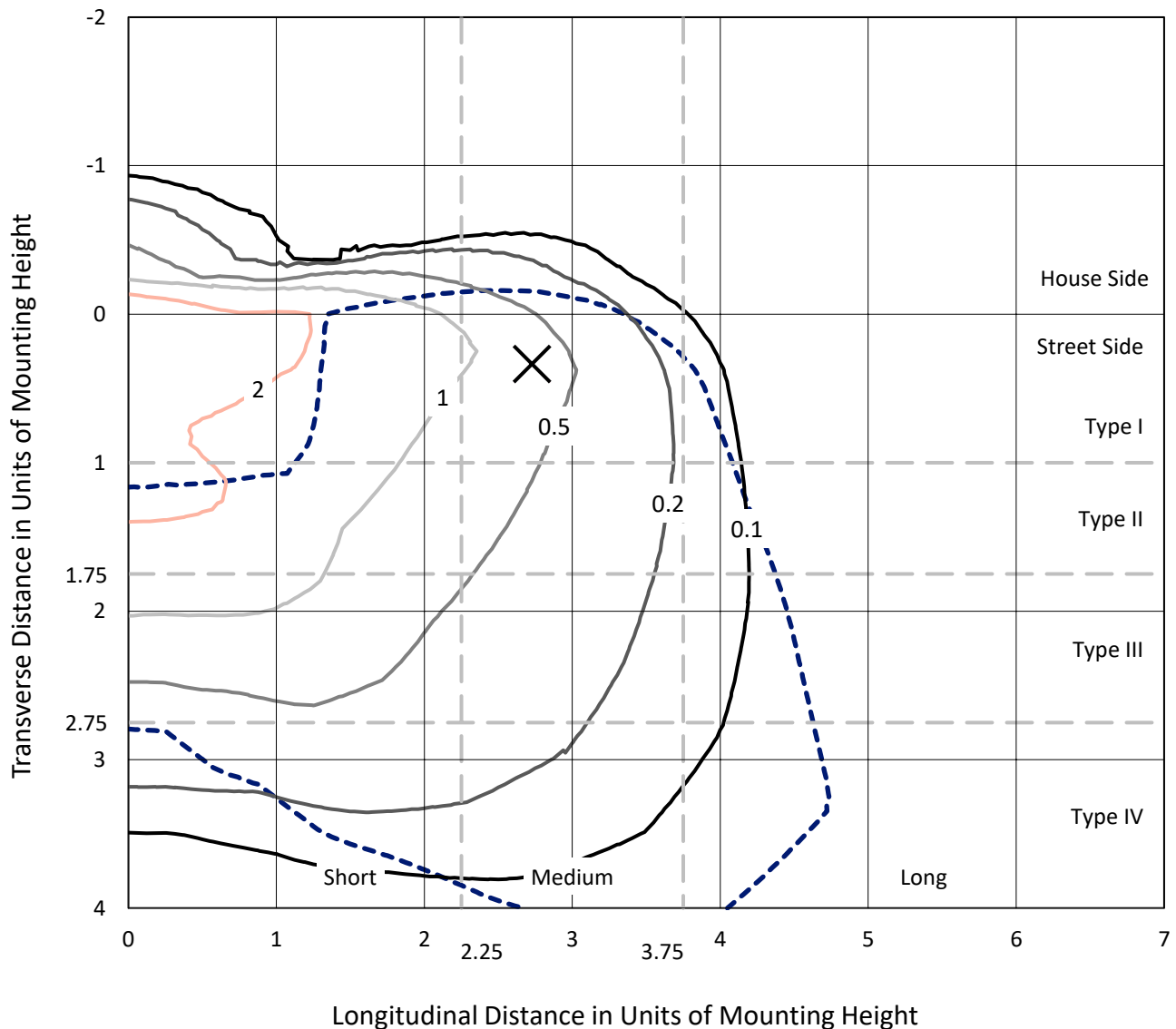


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

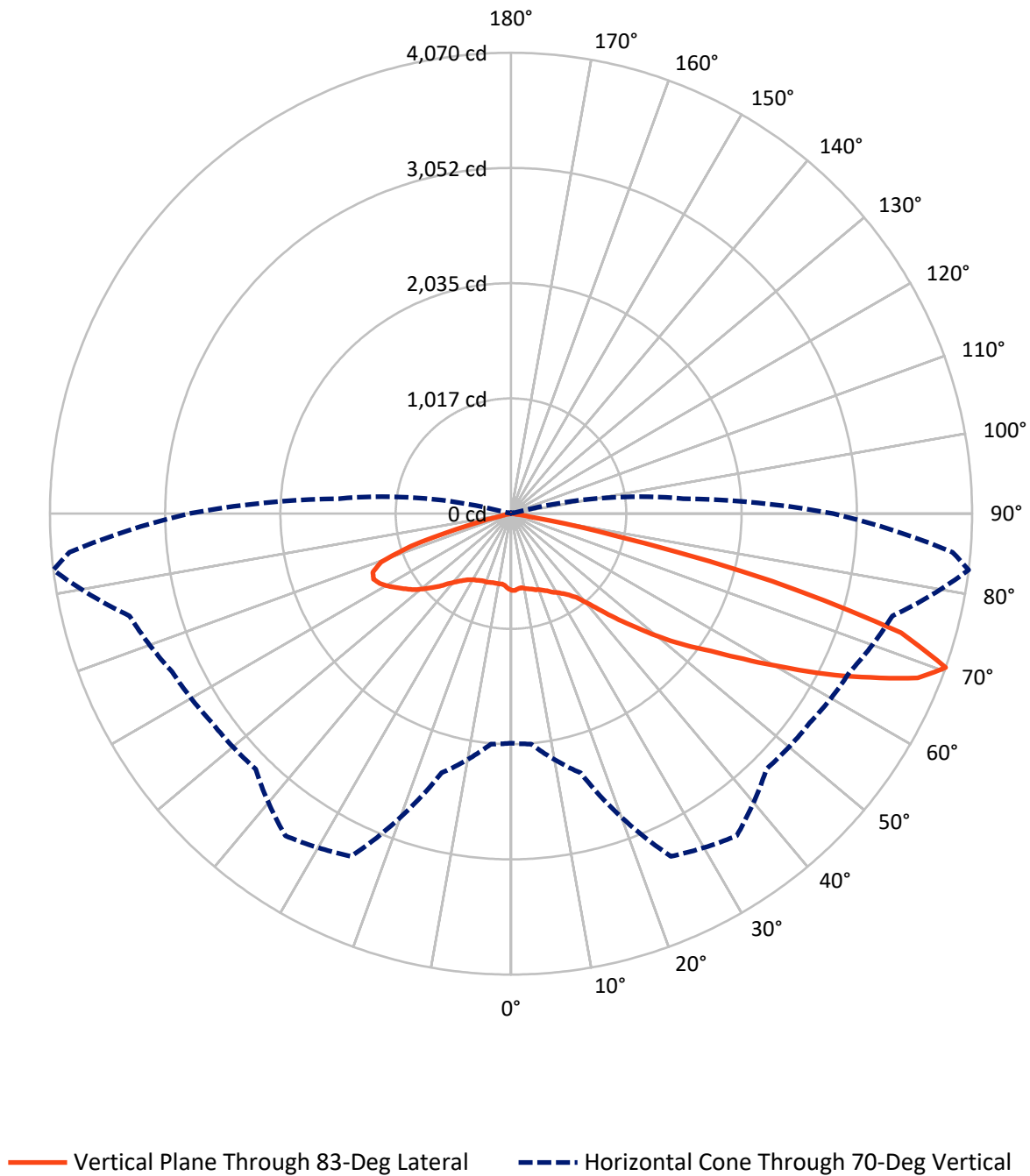


Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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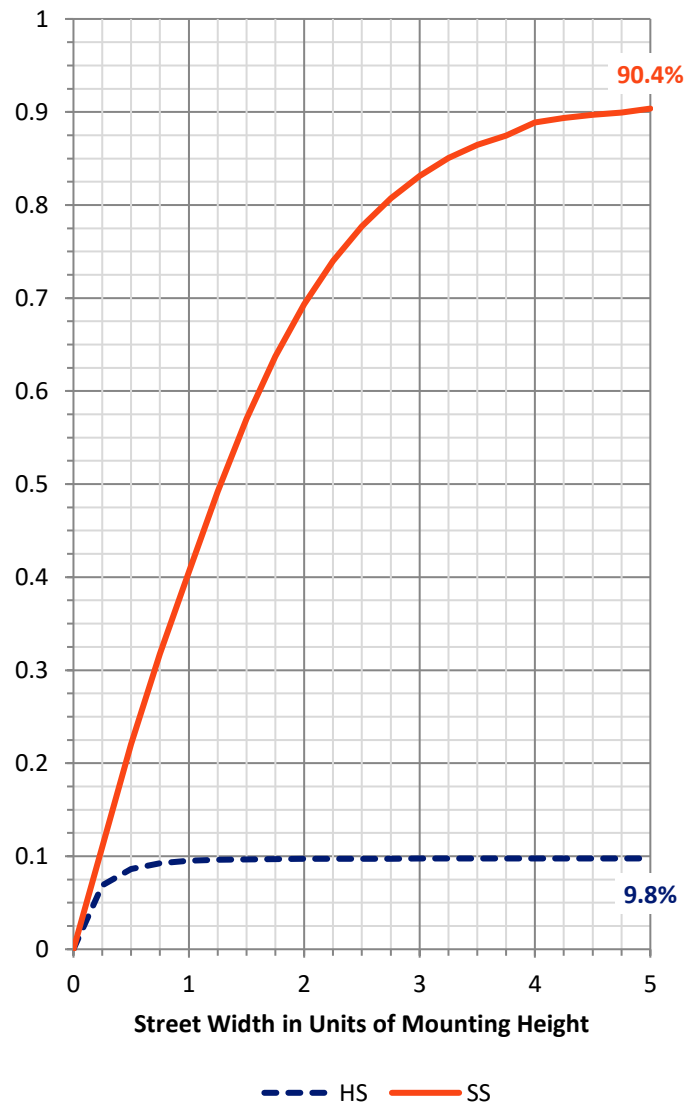
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	539.1	0.0	539.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4936.4	0.0	4936.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	5475.5	0.0	5475.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	1.1
10°-20°	163.7	3.0
20°-30°	259.2	4.7
30°-40°	366.5	6.7
40°-50°	600.9	11.0
50°-60°	1061.1	19.4
60°-70°	1566.2	28.6
70°-80°	1292.6	23.6
80°-90°	104.1	1.9
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°	5475.5	100.0
0°-180°	5475.5	100.0

Coefficient of Utilization



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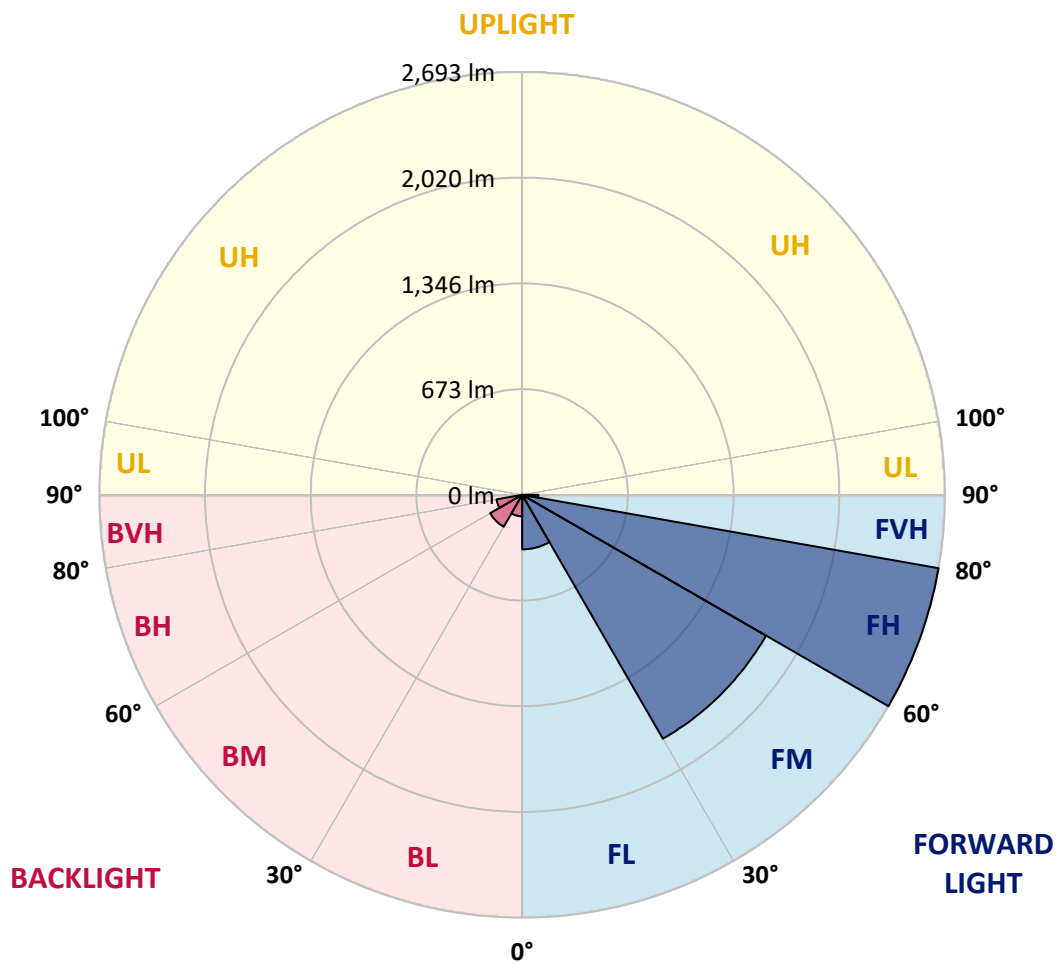
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.3	6.3			
FM	(30°-60°)	1793.5	32.8			
FH	(60°-80°)	2692.9	49.2			G2/5000
FVH	(80°-90°)	102.7	1.9			G2/225
BL	(0°-30°)	136.8	2.5	B1/500		
BM	(30°-60°)	234.9	4.3	B1/1000		
BH	(60°-80°)	166.0	3.0	B1/500		G1/500
BVH	(80°-90°)	1.4	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°	65°	75°	83°	85°
0°	676.7	676.7	676.7	676.7	676.7	676.7	676.7	676.7	676.7	676.7	676.7
2.5°	719.6	719.6	716.2	716.2	708.0	704.7	696.4	689.8	681.6	678.3	673.3
5°	759.1	757.5	752.5	747.6	729.4	719.6	706.3	689.8	674.9	665.1	658.5
7.5°	798.7	797.1	792.2	778.9	759.1	741.0	717.9	698.1	674.9	660.1	656.9
10°	841.6	844.9	828.5	810.3	780.6	755.8	734.4	716.2	689.8	671.7	663.4
12.5°	879.6	873.0	858.2	835.1	800.4	772.4	755.8	732.7	704.7	681.6	673.3
15°	904.4	899.4	886.2	856.5	815.3	792.2	772.4	747.6	719.6	691.5	683.2
17.5°	922.5	922.5	907.7	868.0	826.8	812.0	790.5	767.4	732.7	706.3	698.1
20°	932.4	937.4	924.2	884.6	841.6	828.5	812.0	787.2	750.9	716.2	709.6
22.5°	937.4	940.7	940.7	891.2	853.2	843.3	830.1	807.0	765.8	736.0	726.2
25°	937.4	944.0	944.0	892.9	866.4	856.5	849.9	828.5	793.8	755.8	747.6
27.5°	944.0	940.7	947.3	899.4	881.3	879.6	876.3	861.5	821.8	785.6	772.4
30°	940.7	939.1	945.6	906.0	899.4	907.7	909.3	894.5	843.3	808.7	802.0
32.5°	963.8	957.2	950.6	912.7	919.2	937.4	937.4	922.5	874.7	841.6	835.1
35°	1010.0	975.3	968.7	934.1	935.8	953.9	965.4	957.2	910.9	881.3	876.3
37.5°	1013.3	1000.1	1016.6	965.4	965.4	985.2	1008.3	1006.7	975.3	939.1	939.1
40°	1085.9	1076.0	1112.3	1019.9	1010.0	1036.4	1064.5	1082.6	1061.1	1036.4	1033.1
42.5°	1293.8	1282.3	1297.1	1099.1	1074.4	1117.3	1153.6	1188.2	1176.7	1170.0	1166.7
45°	1554.6	1552.9	1562.9	1252.6	1163.5	1214.7	1250.9	1303.8	1313.6	1336.7	1336.7
47.5°	1850.0	1823.6	1808.7	1501.8	1297.1	1307.1	1378.0	1448.9	1500.1	1511.7	1529.8
50°	2053.0	2051.4	2021.6	1822.0	1557.9	1442.4	1526.5	1618.9	1718.0	1721.3	1736.1
52.5°	2221.3	2218.0	2219.6	2150.4	1856.6	1612.4	1694.9	1822.0	1917.6	1927.6	1940.7
55°	2298.9	2308.8	2361.6	2391.3	2188.3	1828.5	1891.3	2016.7	2128.9	2140.5	2170.2
57.5°	2419.4	2414.4	2498.6	2642.2	2533.2	2089.3	2104.2	2232.9	2335.2	2421.0	2440.8
60°	2592.7	2571.2	2655.4	2879.8	2737.9	2315.4	2305.5	2440.8	2567.9	2742.8	2762.7
62.5°	2678.5	2643.8	2785.8	3198.3	2955.7	2530.0	2541.5	2657.0	2812.1	3120.7	3209.8
65°	2533.2	2518.4	2840.2	3195.0	3213.2	2729.6	2780.8	2871.6	3081.1	3487.1	3594.4
67.5°	2160.3	2176.7	2714.7	3295.6	3360.0	2952.5	3003.6	3130.7	3312.2	3871.6	3871.6
70°	2026.6	2041.4	2368.2	3338.6	3472.3	3188.4	3219.8	3300.7	3485.4	4069.7	3911.2
72.5°	1726.2	1752.7	2110.7	3224.7	3617.5	3424.4	3368.3	3426.1	3455.8	3601.0	3302.3
75°	660.1	696.4	1350.0	2496.9	3568.0	3685.2	3488.7	3267.6	2912.8	2381.4	2138.8
77.5°	128.7	132.0	313.6	1188.2	2567.9	3475.6	3216.5	2518.4	1642.0	930.8	904.4
80°	51.1	54.5	94.0	351.5	1178.3	2008.5	2102.5	1267.4	523.1	191.4	160.0
82.5°	21.5	21.5	44.6	123.8	412.6	511.6	727.8	404.3	138.6	47.8	41.3
85°	3.3	3.3	14.9	44.6	66.0	38.0	178.2	80.9	67.7	18.2	14.9
87.5°	0.0	0.0	1.6	1.6	3.3	3.3	4.9	6.6	9.9	3.3	3.3
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°	676.7	676.7	676.7	676.7	676.7	676.7	676.7	676.7	676.7	676.7	676.7
2.5°	671.7	665.1	653.5	645.3	640.3	635.4	633.8	623.8	627.1	625.5	625.5
5°	651.8	642.0	627.1	608.9	599.1	589.1	577.6	567.7	561.1	556.2	566.0
7.5°	643.6	632.0	604.0	580.9	557.8	531.4	508.3	486.9	475.3	467.1	467.1
10°	648.6	635.4	600.7	562.7	514.9	458.8	414.2	374.6	359.8	351.5	338.3
12.5°	655.2	637.0	594.1	534.7	460.4	374.6	308.6	260.7	242.6	232.7	231.1
15°	665.1	640.3	587.5	496.7	387.8	282.2	206.3	178.2	179.9	186.5	188.2
17.5°	674.9	648.6	577.6	453.8	311.9	203.0	165.1	160.0	165.1	174.9	176.6
20°	684.9	660.1	564.4	401.1	236.0	160.0	151.8	151.8	156.8	166.7	168.3
22.5°	699.8	666.7	542.9	336.7	176.6	146.9	145.2	146.9	150.2	158.4	161.8
25°	721.2	681.6	516.5	272.3	146.9	140.3	140.3	138.6	140.3	148.5	151.8
27.5°	741.0	703.1	490.2	206.3	130.4	130.4	132.0	130.4	130.4	136.9	140.3
30°	769.1	724.5	452.2	153.5	120.5	118.9	120.5	120.5	120.5	125.4	128.7
32.5°	805.4	755.8	412.6	123.8	110.6	107.3	107.3	110.6	110.6	113.8	115.5
35°	854.9	797.1	366.4	108.9	102.3	97.4	94.0	97.4	100.7	102.3	104.0
37.5°	920.9	851.6	316.9	100.7	95.7	89.1	84.2	84.2	85.8	89.1	92.4
40°	1028.2	914.3	255.8	95.7	90.7	80.9	74.2	72.6	72.6	74.2	76.0
42.5°	1166.7	993.5	191.4	92.4	87.5	72.6	66.0	61.1	57.8	57.8	59.4
45°	1331.8	1087.6	142.0	87.5	85.8	66.0	57.8	51.1	42.9	41.3	42.9
47.5°	1524.9	1168.4	105.6	80.9	79.2	57.8	49.5	39.6	29.7	29.7	29.7
50°	1722.9	1257.6	85.8	72.6	70.9	52.8	39.6	28.0	21.5	21.5	23.1
52.5°	1922.7	1343.4	77.6	66.0	64.4	47.8	29.7	19.8	16.5	18.2	18.2
55°	2110.7	1411.0	74.2	61.1	57.8	41.3	23.1	14.9	13.2	14.9	14.9
57.5°	2323.6	1483.6	69.3	56.1	47.8	31.3	18.2	13.2	11.6	13.2	13.2
60°	2536.5	1557.9	62.7	51.1	38.0	23.1	14.9	11.6	9.9	11.6	11.6
62.5°	2736.2	1627.2	52.8	42.9	29.7	18.2	13.2	9.9	8.2	9.9	11.6
65°	2893.0	1670.1	38.0	33.0	23.1	16.5	11.6	8.2	6.6	8.2	9.9
67.5°	2962.3	1648.7	28.0	24.7	18.2	13.2	9.9	6.6	4.9	6.6	8.2
70°	2843.5	1524.9	19.8	18.2	13.2	11.6	8.2	4.9	3.3	4.9	6.6
72.5°	2305.5	1155.2	16.5	14.9	9.9	9.9	8.2	4.9	3.3	3.3	3.3
75°	1409.4	503.3	13.2	11.6	6.6	8.2	6.6	3.3	1.6	3.3	3.3
77.5°	516.5	112.2	9.9	6.6	4.9	6.6	4.9	3.3	1.6	1.6	1.6
80°	118.9	26.4	4.9	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6
82.5°	29.7	4.9	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	11.6	3.3	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	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)