

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: P286945

Luminaire Tested: **PRV-C60-D-UNV-T2-BZ**

Issue Date: 3/4/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P286945  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-4)  
Test Lab: INNOVATIONS CENTER(G2)  
Issue Date: 3/4/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-C60-D-UNV-T2-BZ  
Description: PREVAIL AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K LEDS AND TYPE II OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20083 lumens  
Efficiency: N/A  
Efficacy: 131.3 lumens/watt  
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

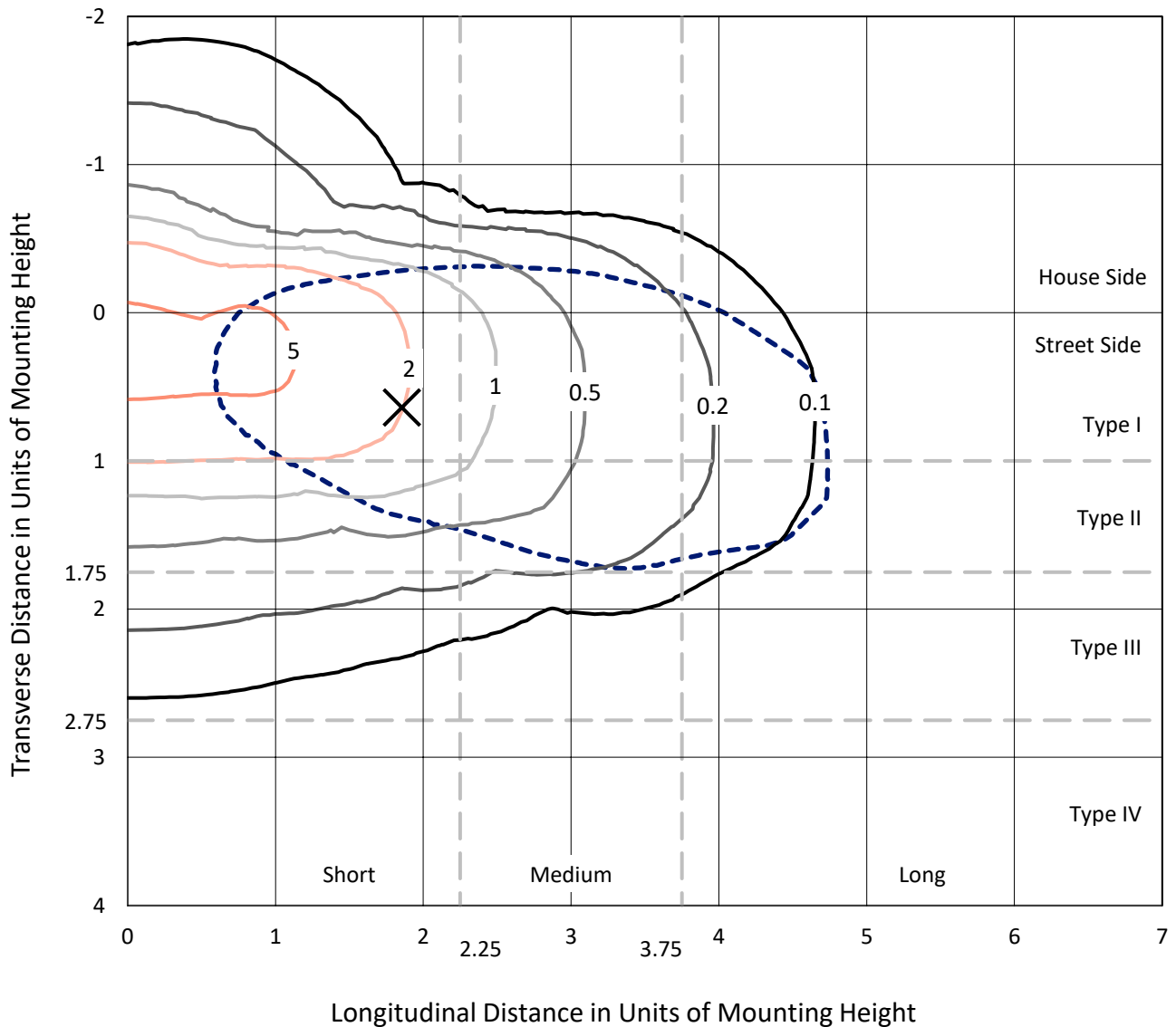
Input Watts (W): 153  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

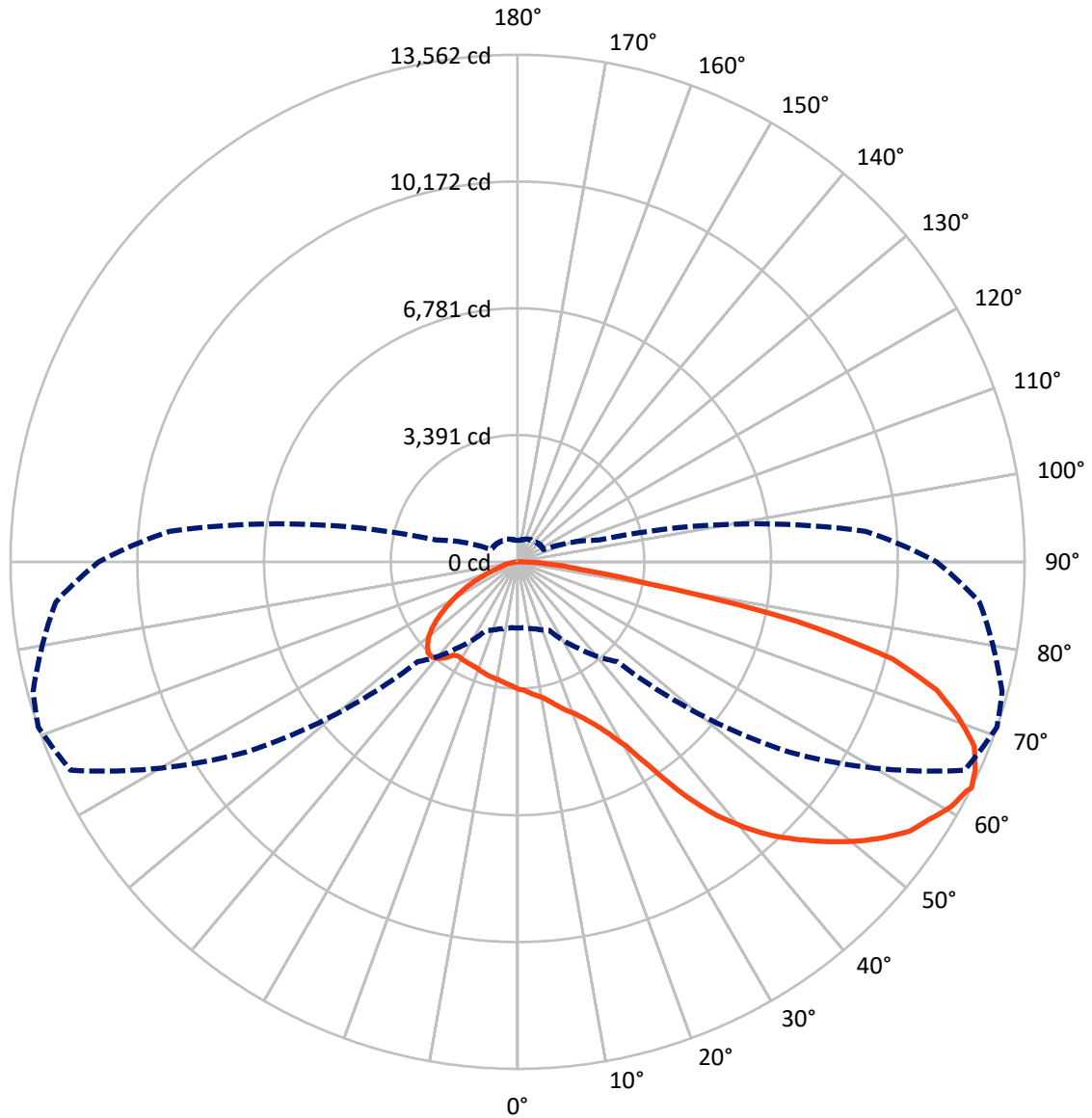
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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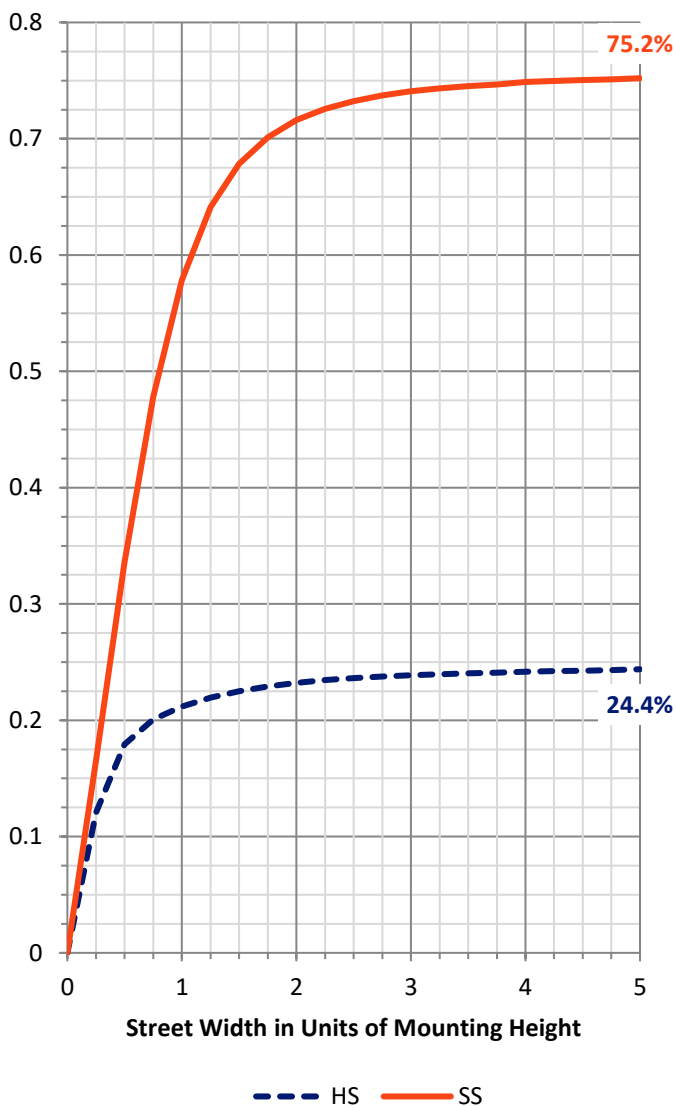
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4980.8	0.0	4980.8
	% Fixture	24.8	0.0	24.8
<b>Street Side</b>	Lumens	15102.2	0.0	15102.2
	% Fixture	75.2	0.0	75.2
<b>Total</b>	Lumens	20083.0	0.0	20083.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.8	1.6
10°-20°	999.4	5.0
20°-30°	1687.6	8.4
30°-40°	2536.1	12.6
40°-50°	3486.1	17.4
50°-60°	4053.5	20.2
60°-70°	4030.0	20.1
70°-80°	2543.6	12.7
80°-90°	419.0	2.1
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°	20083.0	100.0
0°-180°	20083.0	100.0

**Coefficient of Utilization**



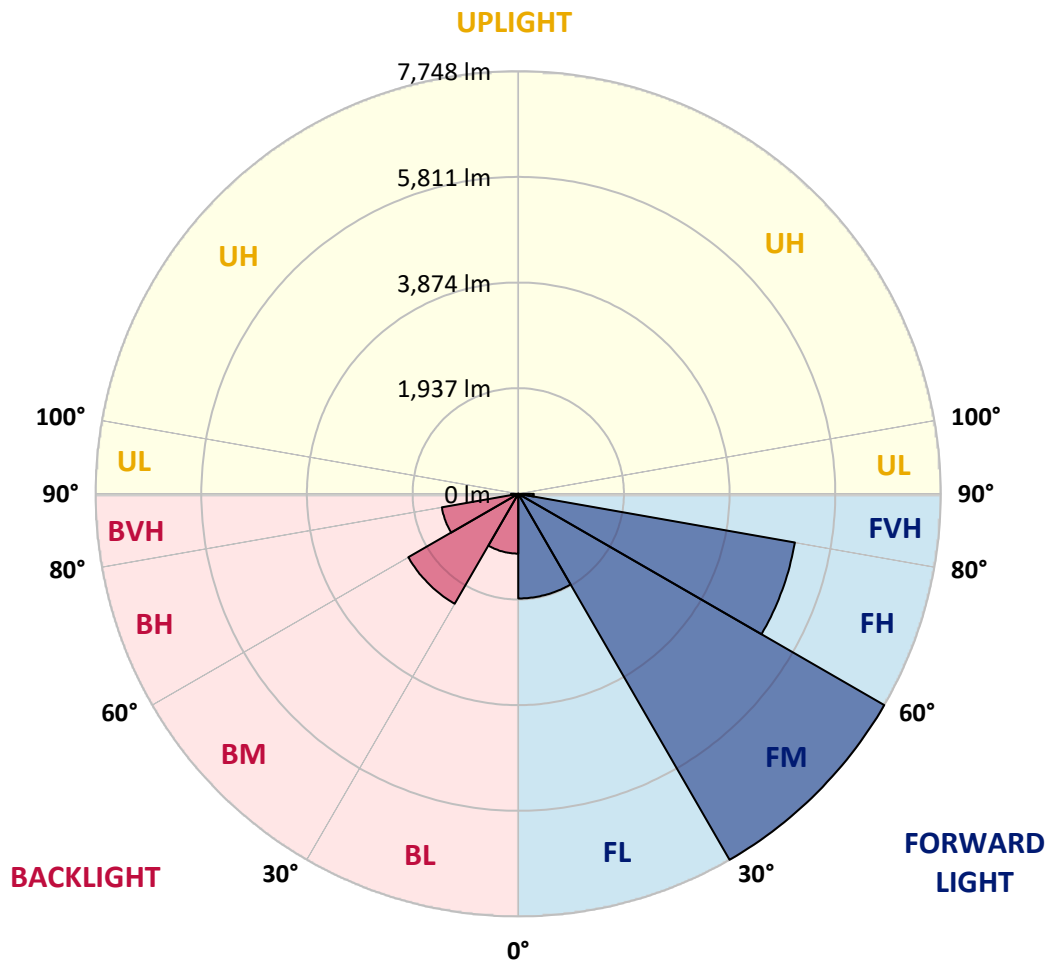
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1918.5	9.6			
FM (30°-60°)	7748.0	38.6			
FH (60°-80°)	5150.6	25.6			G3/7500
FVH (80°-90°)	285.1	1.4			G3/500
BL (0°-30°)	1096.3	5.5	B3/2500		
BM (30°-60°)	2327.6	11.6	B2/2500		
BH (60°-80°)	1423.0	7.1	B3/2500		G3/2500
BVH (80°-90°)	134.0	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9
2.5°	3650.1	3644.2	3636.3	3586.4	3577.5	3547.1	3514.8	3479.5	3440.3	3445.2	3397.2
5°	3854.9	3842.2	3837.3	3762.8	3707.9	3674.6	3630.5	3550.1	3527.5	3509.9	3416.8
7.5°	4019.6	4025.5	4014.7	3944.1	3889.2	3834.3	3755.9	3637.3	3607.9	3570.7	3478.5
10°	4152.9	4167.6	4159.7	4079.4	4032.3	3978.4	3883.3	3761.8	3694.2	3640.3	3493.2
12.5°	4313.6	4304.8	4306.8	4230.3	4189.1	4115.6	4046.0	3907.8	3830.4	3755.9	3560.9
15°	4514.6	4502.8	4488.1	4414.6	4352.8	4309.7	4235.2	4081.3	3997.0	3926.5	3668.7
17.5°	4692.9	4651.8	4644.9	4563.6	4514.6	4456.7	4405.8	4274.4	4169.5	4078.4	3787.3
20°	4812.5	4791.9	4764.5	4717.4	4696.9	4653.7	4590.0	4445.9	4328.3	4235.2	3888.2
22.5°	4892.9	4881.1	4881.1	4866.4	4876.2	4858.6	4807.6	4671.4	4550.8	4418.5	4043.1
25°	4916.4	4880.1	4932.1	4988.9	5057.6	5087.9	5040.9	4946.8	4826.2	4696.9	4243.1
27.5°	4933.1	4927.2	4991.9	5088.9	5262.4	5332.0	5332.0	5279.1	5201.6	5048.7	4533.2
30°	4935.0	4937.0	5024.2	5174.2	5408.4	5601.5	5611.3	5752.5	5712.3	5594.7	4977.2
32.5°	4794.9	4790.0	4921.3	5183.0	5521.2	5828.9	5988.7	6375.9	6561.1	6568.9	5943.6
35°	4511.6	4547.9	4754.7	5096.8	5600.6	6087.7	6457.2	7246.2	7647.1	7637.3	6887.5
37.5°	4288.1	4317.5	4555.7	5004.6	5652.5	6323.9	6983.5	8212.6	8583.1	8550.8	7639.3
40°	4085.2	4119.6	4356.7	4843.9	5634.9	6592.5	7568.7	9048.7	9330.0	9284.9	8346.9
42.5°	3842.2	3867.7	4102.9	4619.4	5584.9	6776.7	8095.0	9812.2	10023.0	9901.4	8900.7
45°	3601.1	3619.7	3876.5	4325.4	5427.1	6898.3	8620.4	10506.2	10604.2	10507.2	9512.3
47.5°	3295.3	3313.9	3610.9	4068.6	5155.6	6894.3	9111.4	11091.3	11183.5	11054.1	9973.0
50°	2533.7	2552.3	3161.0	3805.9	4777.2	6801.2	9504.5	11633.4	11748.0	11558.9	10492.5
52.5°	2302.4	2311.2	2476.8	3479.5	4294.0	6541.5	9790.7	12118.5	12258.7	12052.9	10943.3
55°	2196.5	2188.7	2256.3	2802.2	3921.6	6127.9	10008.3	12578.2	12721.3	12514.5	11345.2
57.5°	2029.9	2042.6	2157.3	2399.4	3584.4	5373.2	9930.8	13009.5	12995.8	12837.0	11740.2
60°	1910.3	1916.2	2029.9	2202.4	3180.6	4514.6	9603.5	13248.6	13314.3	13102.6	12081.3
62.5°	1785.8	1793.7	1890.7	2047.5	2865.9	3884.3	9078.1	13234.9	13483.9	13353.5	12390.0
63°	1770.1	1768.2	1856.4	2026.9	2817.9	3777.5	8885.0	13191.8	13562.3	13415.3	12404.7
65°	1646.6	1654.5	1748.6	1905.4	2612.1	3484.4	8339.1	12900.7	13452.5	13465.2	12540.0
67.5°	1467.3	1479.0	1559.4	1704.5	2219.1	3056.1	6906.1	12733.1	13174.1	13251.6	12369.4
70°	1255.6	1268.3	1352.6	1486.9	1880.9	2609.1	5133.0	12005.8	12520.4	12658.6	11599.0
72.5°	994.8	1011.5	1118.3	1253.6	1542.7	2143.6	3612.8	10817.9	11716.7	11745.1	10523.8
75°	648.9	661.6	816.5	1005.6	1247.7	1697.6	2386.7	8282.2	10348.4	10522.8	9020.3
77.5°	383.2	400.9	477.3	553.8	790.0	1279.1	1550.6	4410.7	7622.6	8178.3	7117.8
80°	103.9	114.7	361.7	422.4	504.8	551.8	954.7	2434.7	3528.5	4480.2	4793.9
82.5°	53.9	66.6	201.9	271.5	289.1	280.3	441.1	1132.1	1725.1	2021.1	2407.2
85°	24.5	29.4	66.6	99.0	80.4	76.5	147.0	591.0	964.5	1119.3	1210.5
87.5°	8.8	10.8	23.5	36.3	21.6	16.7	20.6	178.4	372.5	470.5	427.3
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°	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9	3408.9
2.5°	3362.9	3392.3	3353.1	3308.0	3276.6	3259.0	3244.3	3211.0	3220.8	3233.5	3231.5
5°	3395.2	3399.1	3308.0	3250.2	3181.6	3142.3	3127.6	3070.8	3076.7	3082.6	3081.6
7.5°	3415.8	3379.5	3268.8	3184.5	3112.0	3052.2	2996.3	2939.5	2928.7	2939.5	2948.3
10°	3421.7	3366.8	3241.3	3123.7	3025.7	2940.4	2891.4	2802.2	2786.6	2808.1	2821.8
12.5°	3475.6	3384.4	3221.7	3083.5	2968.9	2856.1	2770.9	2671.9	2624.8	2642.5	2659.1
15°	3542.2	3415.8	3205.1	3032.6	2879.7	2753.2	2641.5	2534.7	2475.8	2499.4	2511.1
17.5°	3622.6	3473.6	3204.1	2949.3	2784.6	2631.7	2519.0	2403.3	2294.5	2332.7	2320.0
20°	3711.8	3523.6	3198.2	2871.8	2668.0	2483.7	2333.7	2257.3	2144.6	2145.5	2128.9
22.5°	3817.7	3592.2	3191.4	2798.3	2525.8	2339.6	2152.4	2064.2	1972.1	1937.7	1927.0
25°	3984.3	3702.0	3203.1	2748.3	2403.3	2151.4	1931.9	1818.2	1779.0	1735.8	1717.2
27.5°	4210.7	3854.9	3228.6	2684.6	2249.4	1952.5	1682.9	1573.1	1545.7	1513.3	1491.8
30°	4543.0	4073.5	3259.0	2612.1	2071.0	1682.9	1434.9	1355.5	1311.4	1294.8	1282.0
32.5°	5386.9	4688.0	3282.5	2517.0	1885.8	1423.2	1243.8	1164.4	1102.7	1073.3	1076.2
35°	6252.4	5432.9	3449.1	2403.3	1658.4	1206.6	1076.2	978.2	902.7	883.1	869.4
37.5°	6930.6	6045.5	3830.4	2288.6	1440.8	1081.1	911.5	826.3	762.6	757.7	788.0
40°	7570.6	6608.1	4145.0	2156.3	1215.4	938.0	744.9	710.6	682.2	689.0	730.2
42.5°	8101.9	7112.9	4403.8	1966.2	1033.1	776.3	636.1	672.4	681.2	690.0	693.0
45°	8622.3	7510.9	4544.0	1717.2	872.3	645.9	624.4	692.0	706.7	719.4	703.7
47.5°	9159.5	7959.8	4542.0	1411.4	751.8	631.2	648.9	692.0	717.5	733.1	728.2
50°	9588.8	8293.0	4484.2	1110.5	721.4	665.5	661.6	663.6	704.7	715.5	716.5
52.5°	9995.5	8607.6	4246.0	912.5	763.5	704.7	676.3	652.8	670.4	695.9	667.5
55°	10392.5	8881.1	3823.6	858.6	784.1	738.1	706.7	665.5	647.9	642.0	651.8
57.5°	10718.9	9108.5	3327.6	834.1	790.0	741.0	758.6	664.5	644.9	599.8	594.9
60°	11037.4	9324.1	2839.5	799.8	785.1	735.1	707.7	681.2	634.2	566.5	542.0
62.5°	11235.4	9390.8	2328.8	770.4	763.5	728.2	690.0	677.3	623.4	571.4	564.6
63°	11207.0	9343.7	2239.6	765.5	758.6	723.3	691.0	672.4	618.5	577.3	574.4
65°	11275.6	9074.2	1845.6	735.1	738.1	709.6	676.3	643.0	574.4	545.0	540.1
67.5°	10950.2	8582.2	1332.0	679.2	706.7	688.1	646.9	586.1	522.4	484.2	482.2
70°	10096.5	7650.0	915.5	579.3	656.7	657.7	632.2	553.8	484.2	441.1	446.9
72.5°	8889.9	6684.6	590.0	450.9	564.6	604.8	590.0	523.4	432.2	353.8	348.0
75°	7595.2	5451.6	435.2	363.6	416.6	538.1	515.6	426.4	362.7	312.7	308.7
77.5°	5700.5	3942.1	385.2	310.7	309.7	364.6	424.4	419.5	430.3	517.5	505.8
80°	3946.1	2781.7	306.8	251.9	189.2	230.3	357.8	444.0	553.8	321.5	301.9
82.5°	2283.7	1510.4	100.0	79.4	115.7	149.0	262.7	551.8	366.6	192.1	172.5
85°	1075.2	573.4	43.1	24.5	34.3	50.0	148.0	466.5	234.3	96.1	17.6
87.5°	333.2	157.8	9.8	7.8	8.8	10.8	62.7	245.0	160.7	10.8	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)