

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: P511302

Luminaire Tested: **PRV-P-PA1D-730-U-T2R-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511302
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-PA1D-730-U-T2R-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 8514 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

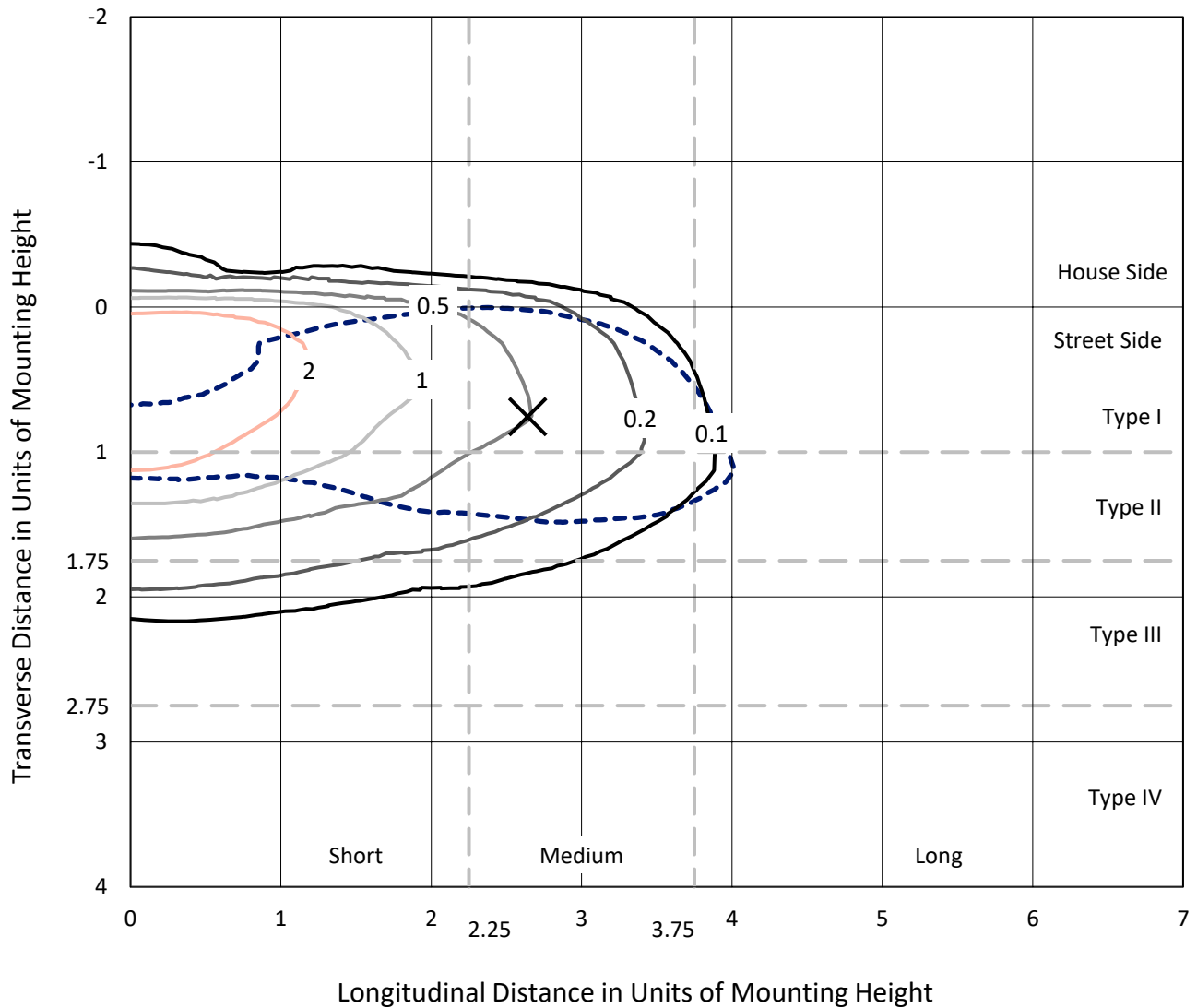
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

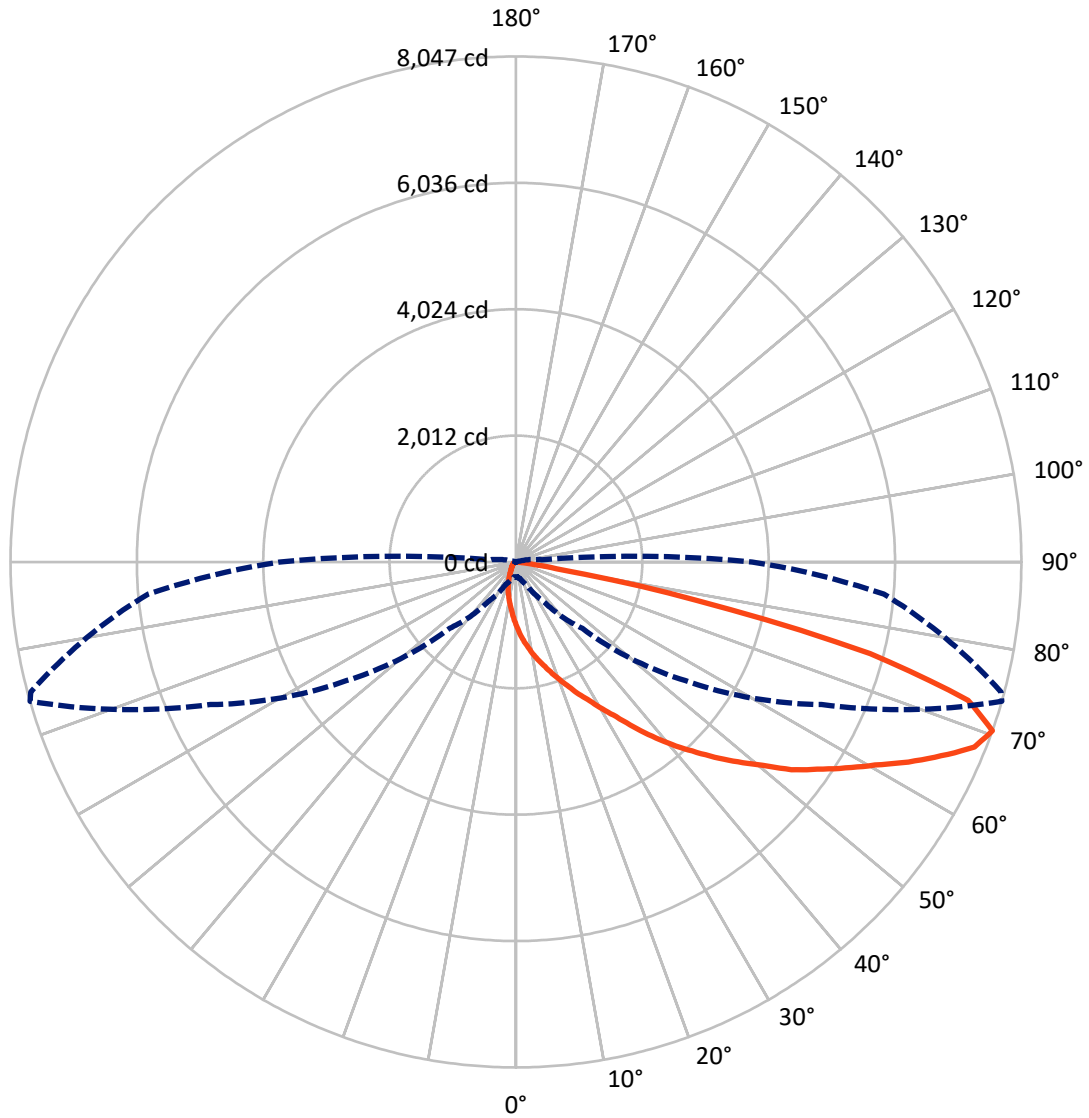
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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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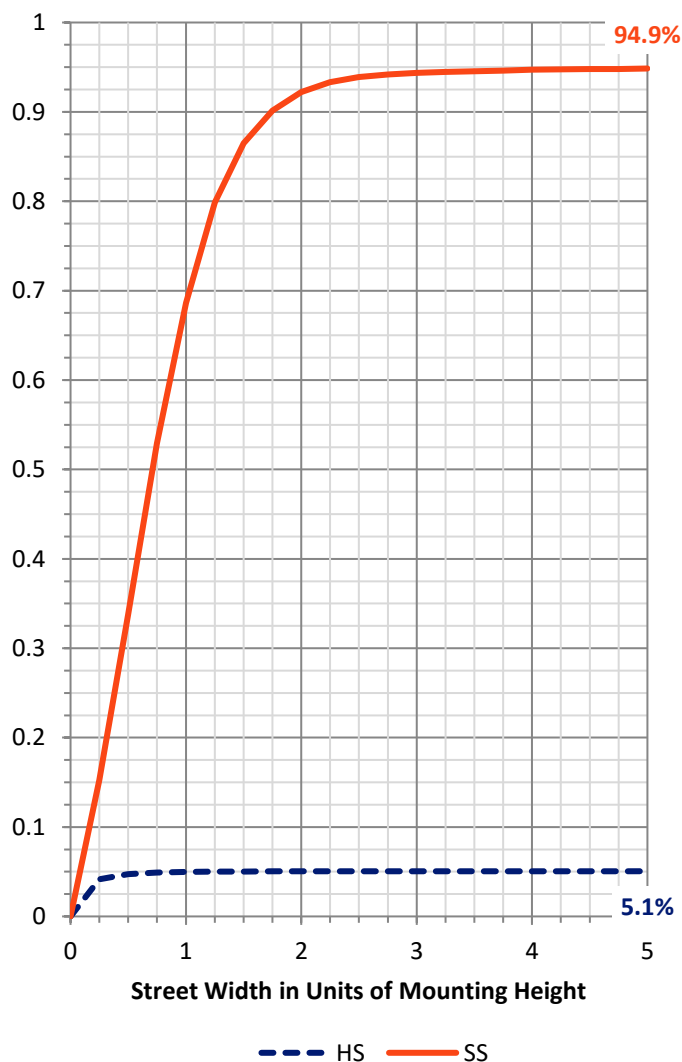
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	433.2	0.0	433.2
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	8080.8	0.0	8080.8
	% Fixture	94.9	0.0	94.9
Total	Lumens	8514.0	0.0	8514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.1
10°-20°	308.6	3.6
20°-30°	617.2	7.2
30°-40°	1153.6	13.5
40°-50°	1709.6	20.1
50°-60°	1954.8	23.0
60°-70°	1770.4	20.8
70°-80°	874.2	10.3
80°-90°	29.6	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°	8514.0	100.0
0°-180°	8514.0	100.0

Coefficient of Utilization

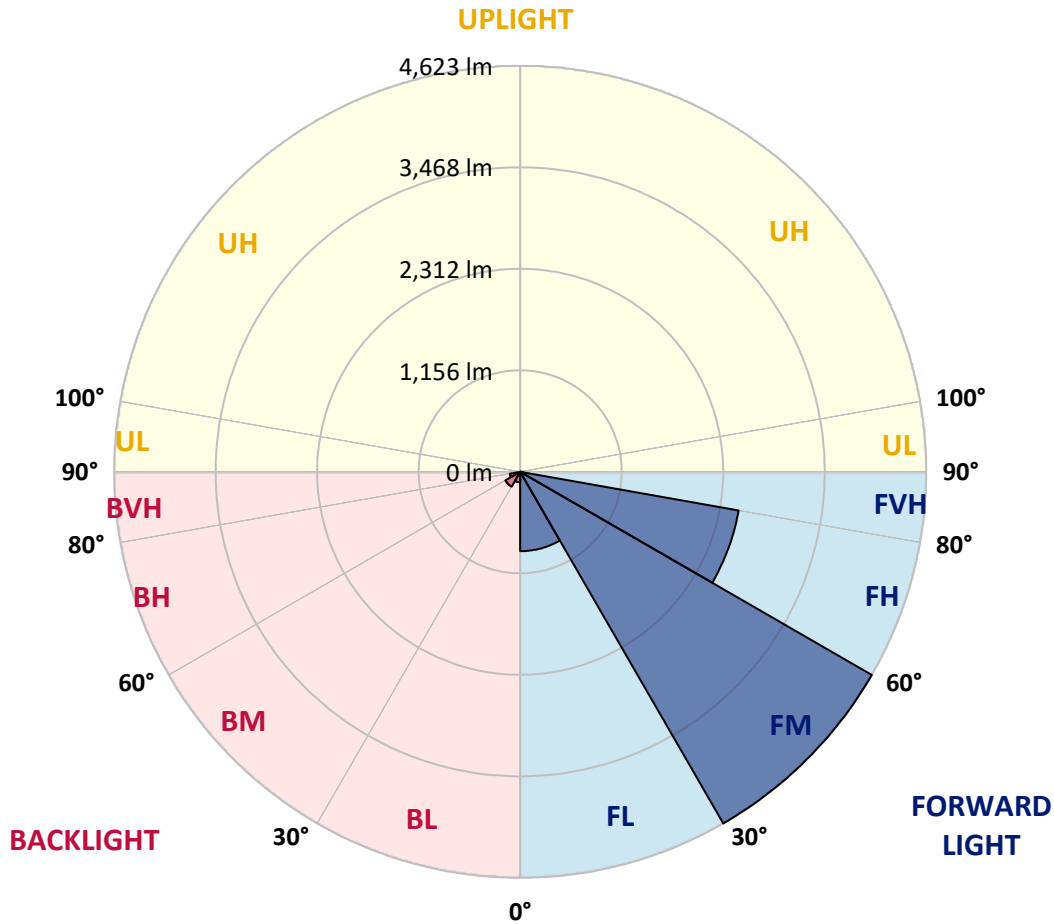


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	903.8	10.6			
FM (30°-60°)	4623.4	54.3			
FH (60°-80°)	2525.9	29.7			G2/5000
FVH (80°-90°)	27.8	0.3			G1/100
BL (0°-30°)	118.0	1.4	B1/500		
BM (30°-60°)	194.7	2.3	B0/220		
BH (60°-80°)	118.7	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2
2.5°	1391.1	1382.0	1372.8	1372.8	1345.4	1290.6	1258.6	1203.8	1137.6	1123.8	1064.5
5°	1592.1	1601.3	1589.8	1567.0	1541.9	1498.5	1436.8	1345.4	1251.8	1244.9	1105.6
7.5°	1694.9	1699.5	1692.6	1694.9	1681.2	1635.5	1587.5	1489.3	1368.3	1356.8	1167.2
10°	1781.7	1786.3	1779.4	1784.0	1763.4	1754.3	1710.9	1619.5	1489.3	1475.6	1238.1
12.5°	1891.4	1889.1	1886.8	1895.9	1870.8	1854.8	1827.4	1745.2	1608.1	1583.0	1322.6
15°	1957.6	1962.2	1957.6	1982.7	1989.6	1973.6	1932.5	1868.5	1726.9	1710.9	1407.1
17.5°	2003.3	2003.3	2023.8	2065.0	2083.2	2090.1	2078.7	1994.1	1863.9	1841.1	1509.9
20°	2051.2	2065.0	2083.2	2131.2	2165.5	2199.7	2218.0	2172.3	2005.6	1985.0	1610.4
22.5°	2181.4	2186.0	2188.3	2234.0	2266.0	2311.7	2332.2	2334.5	2154.0	2135.8	1713.2
25°	2569.8	2537.8	2471.5	2416.7	2430.4	2441.9	2441.9	2508.1	2334.5	2300.2	1822.8
27.5°	3099.7	3081.4	2996.9	2862.2	2636.0	2617.7	2594.9	2693.1	2499.0	2455.6	1921.0
30°	3595.4	3590.8	3472.0	3314.4	3076.9	2839.3	2752.5	2857.6	2716.0	2649.7	2019.3
32.5°	3926.6	3933.5	3871.8	3743.9	3531.4	3213.9	2930.7	3015.2	2935.2	2889.6	2140.3
35°	4143.6	4143.6	4095.6	4024.8	3878.6	3620.5	3195.7	3211.6	3223.1	3175.1	2304.8
37.5°	4289.8	4273.8	4223.6	4182.4	4113.9	3972.3	3586.3	3421.8	3520.0	3426.4	2485.3
40°	4394.9	4367.5	4333.2	4283.0	4255.5	4232.7	3976.9	3659.4	3823.8	3732.4	2679.4
42.5°	4445.1	4440.6	4399.4	4365.2	4351.5	4422.3	4328.6	3942.6	4113.9	4045.4	2875.9
45°	4454.3	4456.6	4445.1	4399.4	4406.3	4550.2	4589.0	4267.0	4433.7	4353.8	3104.3
47.5°	4385.7	4385.7	4417.7	4424.6	4433.7	4602.7	4840.3	4634.7	4753.5	4664.4	3332.7
50°	4093.4	4129.9	4241.8	4340.1	4374.3	4632.4	5009.3	4961.4	5089.3	4991.1	3606.8
52.5°	3307.6	3362.4	3734.7	4070.5	4296.7	4611.9	5109.8	5288.0	5493.6	5409.1	3892.3
55°	2503.5	2556.1	2848.4	3529.2	4045.4	4547.9	5157.8	5491.3	5824.8	5744.9	4152.7
57.5°	2119.8	2099.2	2270.5	2818.8	3565.7	4365.2	5203.5	5644.4	6188.0	6096.6	4436.0
60°	1802.3	1772.6	1882.2	2190.6	2857.6	4008.8	5237.8	5740.3	6564.9	6466.7	4762.6
62.5°	1372.8	1386.5	1489.3	1763.4	2297.9	3398.9	5167.0	5811.1	7012.6	6916.7	5107.6
65°	829.2	890.9	1064.5	1338.6	1806.8	2729.7	4851.7	5831.7	7442.1	7355.3	5466.2
67.5°	406.6	438.6	559.6	833.7	1313.4	2163.2	4189.3	5733.4	7871.5	7828.1	5806.5
70°	237.6	235.3	281.0	402.0	765.2	1493.9	3291.6	5368.0	8047.4	7994.8	5879.6
72.5°	175.9	185.0	207.9	239.8	374.6	952.5	2382.5	4712.4	7528.9	7430.6	5226.3
75°	123.3	127.9	159.9	182.7	221.6	477.4	1500.7	3444.6	5824.8	5676.3	3497.2
77.5°	93.7	98.2	114.2	150.8	173.6	233.0	543.6	1866.2	2923.8	2795.9	1411.7
80°	43.4	45.7	70.8	98.2	125.6	137.1	146.2	561.9	655.6	575.6	212.4
82.5°	27.4	32.0	41.1	73.1	89.1	61.7	59.4	123.3	109.6	100.5	50.3
85°	2.3	2.3	18.3	27.4	18.3	9.1	29.7	29.7	34.3	36.5	18.3
87.5°	0.0	0.0	0.0	2.3	4.6	4.6	6.9	6.9	6.9	6.9	6.9
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°	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2
2.5°	1025.6	986.8	913.7	842.9	781.2	717.3	671.6	657.9	632.7	614.5	628.2
5°	1034.8	961.7	810.9	683.0	573.3	498.0	445.4	404.3	365.5	351.8	358.6
7.5°	1057.6	941.1	721.8	559.6	431.7	338.1	283.2	251.3	230.7	221.6	217.0
10°	1094.2	936.5	651.0	454.6	312.9	233.0	198.7	185.0	180.5	178.2	178.2
12.5°	1128.4	918.3	575.6	354.1	233.0	185.0	171.3	164.5	162.2	159.9	157.6
15°	1174.1	913.7	511.7	276.4	187.3	166.7	153.0	146.2	141.6	139.3	139.3
17.5°	1210.6	906.8	440.9	219.3	169.0	150.8	137.1	127.9	123.3	121.1	118.8
20°	1267.8	906.8	379.2	187.3	155.3	137.1	121.1	111.9	105.1	100.5	100.5
22.5°	1329.4	913.7	315.2	169.0	143.9	121.1	105.1	93.7	86.8	84.5	82.2
25°	1395.7	911.4	260.4	153.0	127.9	105.1	89.1	77.7	73.1	70.8	70.8
27.5°	1450.5	897.7	212.4	139.3	111.9	89.1	73.1	64.0	61.7	59.4	59.4
30°	1512.2	884.0	173.6	123.3	95.9	75.4	61.7	54.8	50.3	50.3	50.3
32.5°	1589.8	874.9	148.5	107.4	82.2	64.0	52.5	45.7	45.7	43.4	43.4
35°	1697.2	863.4	132.5	93.7	68.5	52.5	43.4	38.8	36.5	38.8	38.8
37.5°	1825.1	847.5	118.8	82.2	59.4	45.7	36.5	34.3	34.3	34.3	34.3
40°	1959.9	845.2	105.1	70.8	50.3	36.5	32.0	27.4	27.4	29.7	32.0
42.5°	2122.1	836.0	95.9	64.0	43.4	32.0	25.1	22.8	25.1	27.4	27.4
45°	2270.5	817.8	86.8	54.8	38.8	27.4	22.8	20.6	20.6	22.8	25.1
47.5°	2453.3	808.6	79.9	48.0	32.0	22.8	18.3	16.0	16.0	18.3	20.6
50°	2672.6	813.2	70.8	41.1	27.4	20.6	16.0	11.4	13.7	16.0	16.0
52.5°	2869.0	806.3	64.0	34.3	22.8	16.0	11.4	9.1	9.1	13.7	13.7
55°	3047.2	799.5	54.8	29.7	18.3	13.7	9.1	6.9	6.9	11.4	11.4
57.5°	3236.8	778.9	48.0	25.1	16.0	11.4	6.9	4.6	6.9	9.1	9.1
60°	3460.6	746.9	41.1	20.6	13.7	11.4	4.6	4.6	4.6	6.9	6.9
62.5°	3677.6	708.1	36.5	20.6	11.4	9.1	4.6	2.3	2.3	4.6	4.6
65°	3926.6	639.6	32.0	18.3	11.4	6.9	4.6	2.3	2.3	2.3	2.3
67.5°	3997.4	541.4	29.7	13.7	9.1	6.9	4.6	2.3	0.0	2.3	2.3
70°	3766.7	406.6	27.4	11.4	6.9	4.6	2.3	2.3	0.0	2.3	2.3
72.5°	3010.6	251.3	22.8	9.1	6.9	4.6	2.3	0.0	0.0	0.0	2.3
75°	1861.7	109.6	16.0	6.9	4.6	4.6	2.3	0.0	0.0	0.0	0.0
77.5°	692.1	57.1	11.4	6.9	4.6	2.3	2.3	0.0	0.0	0.0	0.0
80°	98.2	25.1	6.9	4.6	4.6	2.3	2.3	0.0	0.0	0.0	0.0
82.5°	25.1	11.4	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0
85°	11.4	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0	0.0
87.5°	6.9	6.9	6.9	4.6	4.6	2.3	2.3	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)