

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: P287034

Luminaire Tested: **PRV-C15-D-UNV-T4-BZ-7030-HSS**

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P287034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-9)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 3/4/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-C15-D-UNV-T4-BZ-7030-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6320 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

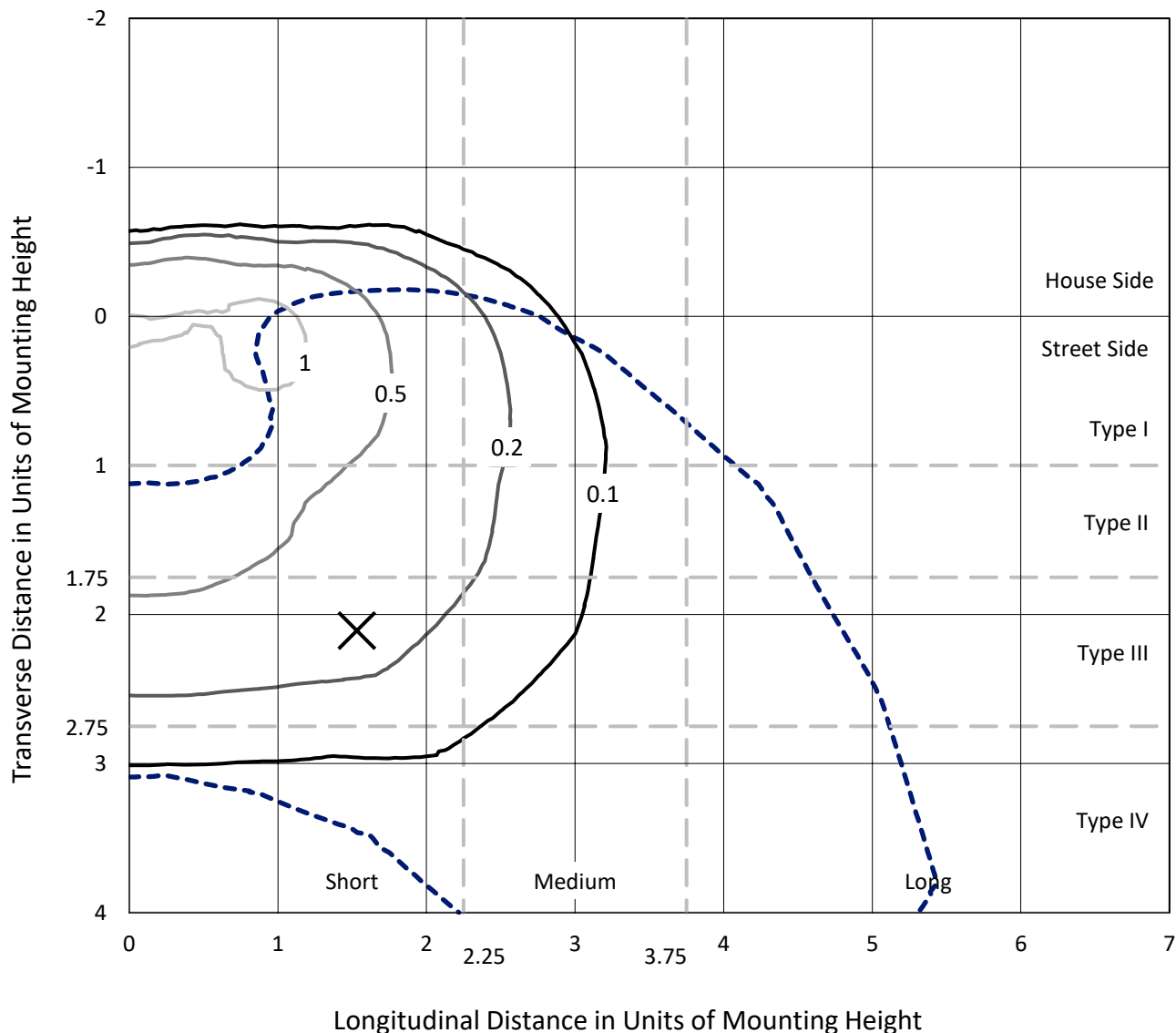
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

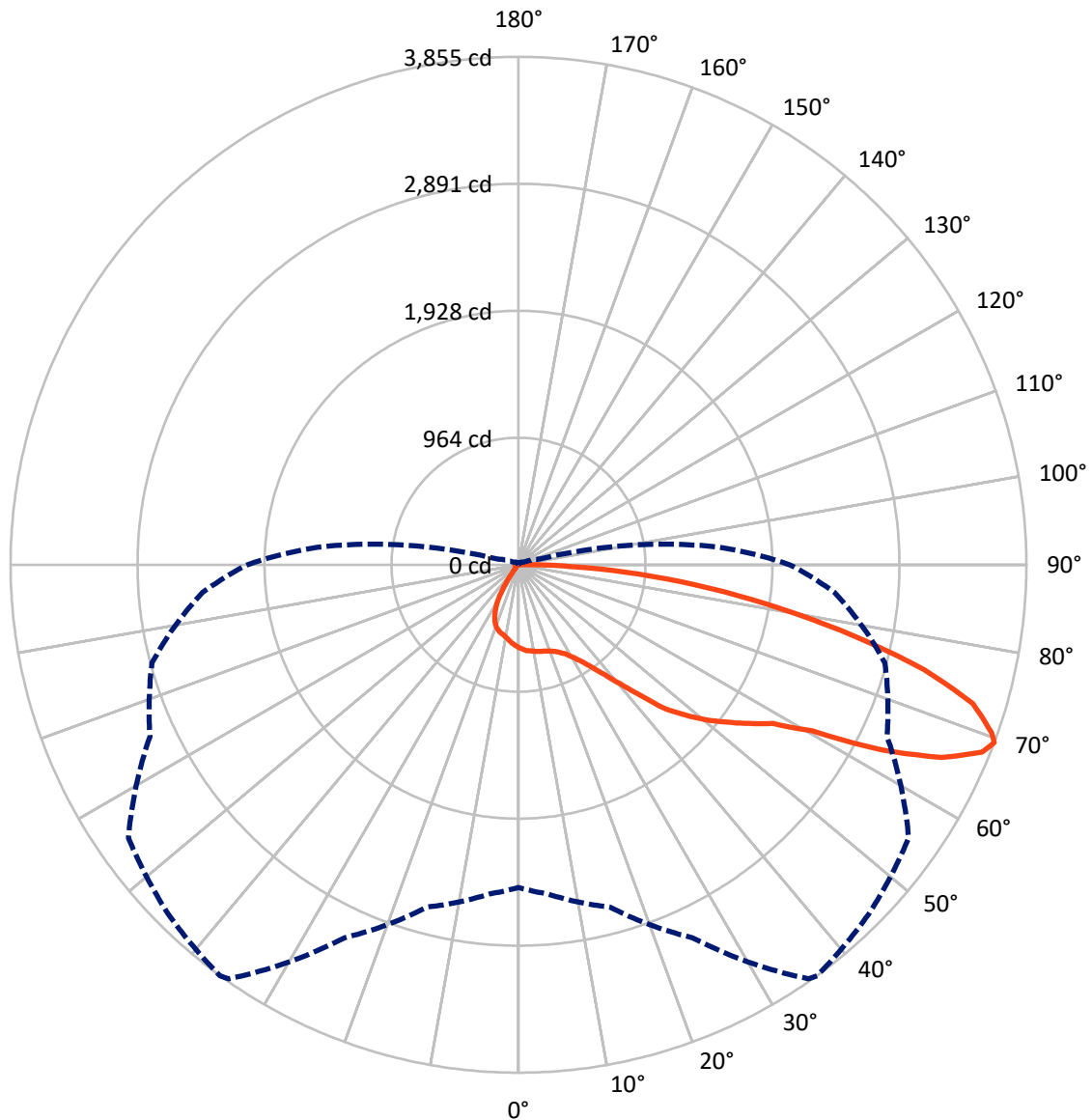
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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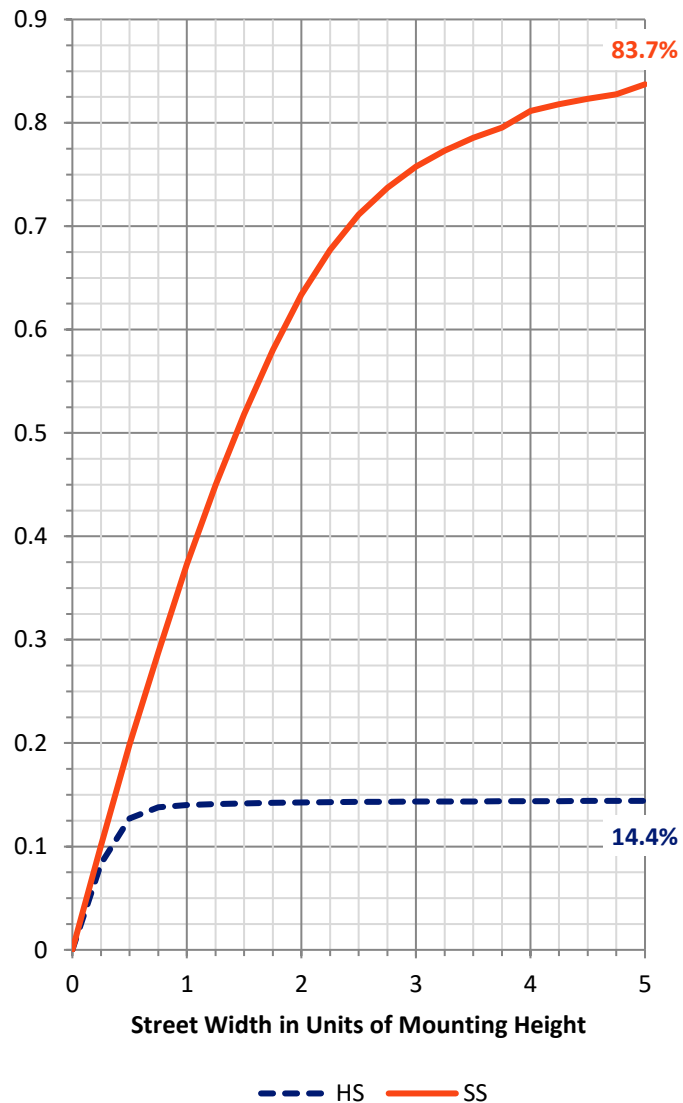
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	921.5	0.0	921.5
	% Fixture	14.6	0.0	14.6
Street Side	Lumens	5398.5	0.0	5398.5
	% Fixture	85.4	0.0	85.4
Total	Lumens	6320.0	0.0	6320.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	0.9
10°-20°	178.4	2.8
20°-30°	299.0	4.7
30°-40°	483.6	7.7
40°-50°	852.9	13.5
50°-60°	1243.2	19.7
60°-70°	1642.0	26.0
70°-80°	1262.6	20.0
80°-90°	298.5	4.7
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°	6320.0	100.0
0°-180°	6320.0	100.0

Coefficient of Utilization

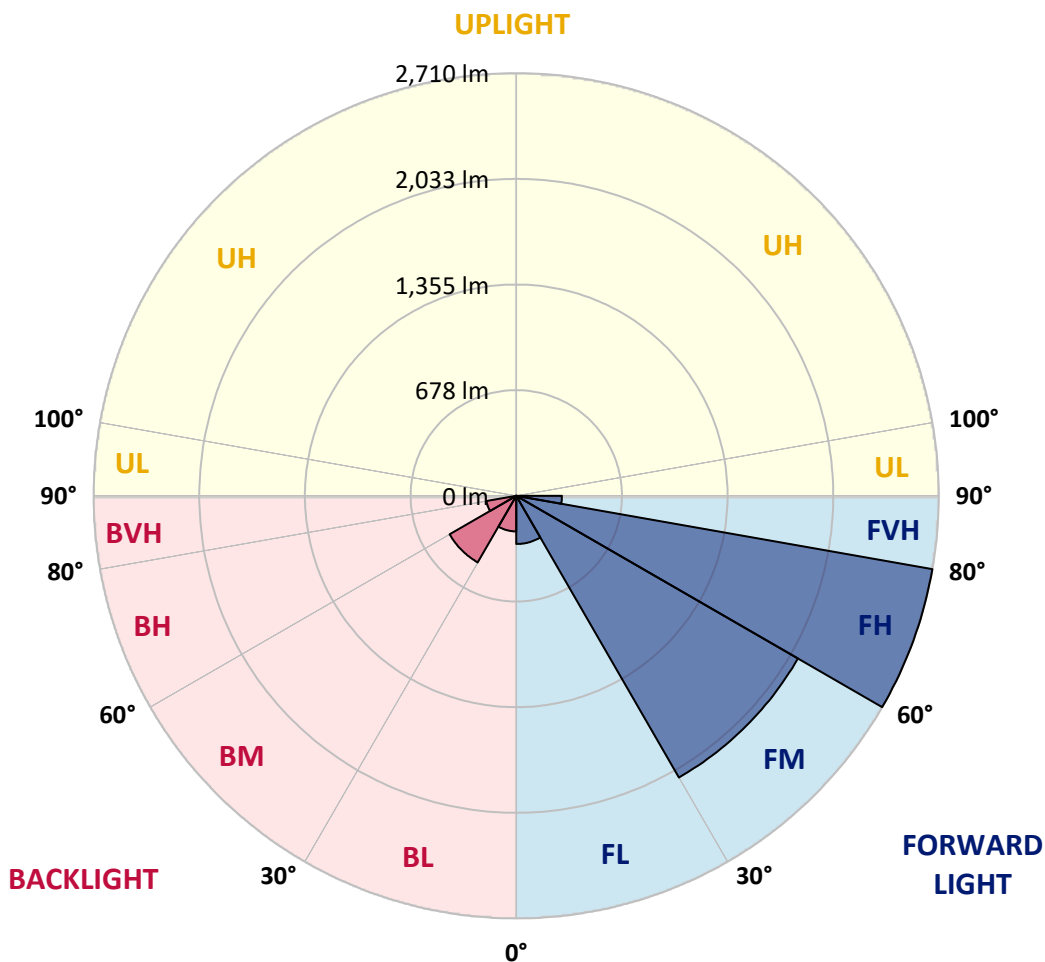


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.9	4.9			
FM (30°-60°)	2086.3	33.0			
FH (60°-80°)	2710.3	42.9			G2/5000
FVH (80°-90°)	293.0	4.6			G3/500
BL (0°-30°)	228.3	3.6	B1/500		
BM (30°-60°)	493.4	7.8	B1/1000		
BH (60°-80°)	194.3	3.1	B1/500		G1/500
BVH (80°-90°)	5.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7
2.5°	652.9	653.9	650.9	643.7	642.0	642.7	643.4	639.3	634.8	632.8	628.0
5°	664.5	664.9	663.5	657.0	655.3	655.3	654.6	649.8	645.4	642.7	635.8
7.5°	667.6	667.2	667.9	661.1	662.8	659.7	661.8	657.0	652.9	649.2	643.0
10°	672.4	673.1	672.4	666.9	667.6	668.3	667.9	664.5	664.2	663.8	653.3
12.5°	670.0	669.6	671.7	668.3	673.1	673.7	681.2	682.9	684.7	684.7	673.7
15°	668.3	664.5	673.1	670.3	680.2	681.2	692.5	702.7	704.8	705.5	701.4
17.5°	670.7	670.0	681.9	676.8	690.8	688.4	699.3	717.4	727.0	731.8	734.1
20°	680.9	683.6	693.5	688.4	700.0	700.0	712.0	731.4	749.5	761.4	763.8
22.5°	696.6	697.6	709.2	704.1	713.3	714.3	724.6	747.5	772.0	792.2	802.4
25°	713.3	712.6	722.2	722.5	734.8	737.9	746.8	765.2	797.6	823.9	851.9
27.5°	737.9	736.5	747.8	744.4	767.3	766.9	777.1	799.0	835.5	870.0	912.6
30°	777.8	774.4	781.2	786.7	812.6	813.7	822.9	844.4	881.2	931.4	983.3
32.5°	842.3	845.1	844.4	837.6	870.3	872.4	894.9	929.7	967.3	1027.7	1088.4
35°	978.2	977.8	959.4	942.0	945.1	951.2	980.6	1043.4	1120.2	1262.8	1316.4
37.5°	1147.1	1155.3	1122.9	1072.7	1056.3	1055.3	1080.9	1174.1	1299.7	1575.1	1596.6
40°	1370.7	1355.3	1316.1	1238.9	1197.6	1186.0	1194.6	1304.1	1497.0	1841.3	1820.9
42.5°	1522.6	1529.4	1486.4	1420.5	1359.1	1350.2	1330.1	1447.1	1710.6	2053.6	1996.3
45°	1704.8	1718.5	1671.0	1624.3	1562.1	1556.7	1526.3	1594.6	1916.1	2211.0	2133.5
47.5°	1863.5	1873.1	1797.3	1753.6	1708.9	1704.5	1675.8	1743.4	2094.6	2340.3	2245.8
50°	2034.5	2042.4	1959.8	1897.7	1855.3	1851.2	1835.2	1910.3	2275.5	2462.5	2338.6
52.5°	2252.6	2223.3	2122.9	2038.3	1991.2	1985.7	1993.6	2076.8	2446.8	2550.6	2413.0
55°	2507.9	2428.0	2299.7	2193.9	2123.6	2127.3	2136.6	2246.1	2592.5	2635.9	2469.0
57.5°	2661.8	2666.3	2570.0	2414.0	2280.6	2273.1	2266.3	2399.7	2711.0	2730.4	2523.3
60°	2867.6	2881.6	2869.0	2772.8	2592.9	2560.8	2449.5	2571.0	2836.6	2806.9	2555.7
62.5°	3024.0	3046.8	3120.5	3061.2	3082.0	3095.6	2789.5	2776.2	2951.9	2859.1	2562.5
65°	2988.1	3010.0	3161.2	3277.9	3497.7	3526.7	3449.6	3037.3	3042.0	2882.3	2540.7
67.5°	2716.8	2739.3	2923.6	3238.0	3762.5	3795.3	3713.0	3490.5	3086.8	2883.3	2485.0
69°	2449.5	2507.6	2689.8	3122.9	3836.6	3855.0	3755.0	3614.1	3086.1	2879.2	2406.5
70°	2289.8	2336.2	2543.1	2990.2	3798.0	3806.9	3729.8	3663.9	3074.5	2843.4	2332.8
72.5°	1841.0	1830.8	2050.9	2534.9	3611.3	3605.9	3614.4	3597.0	3053.3	2712.3	2021.9
75°	1334.5	1338.3	1542.0	1994.6	3140.0	3179.9	3350.6	3454.0	2847.5	2365.6	1487.7
77.5°	948.5	956.3	1131.4	1527.0	2588.1	2606.9	2919.9	3029.8	2396.0	1861.1	810.9
80°	634.8	641.7	805.5	1126.0	1976.8	2019.5	2360.8	2385.4	1813.3	1151.9	146.8
82.5°	396.9	400.3	527.3	802.1	1442.4	1463.2	1621.2	1573.8	942.7	256.7	43.7
85°	227.6	231.7	323.2	507.9	910.9	918.8	1024.3	778.5	225.9	34.5	23.9
87.5°	65.2	70.0	133.8	219.1	410.9	407.9	382.3	255.0	36.5	15.7	11.3
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°	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7
2.5°	624.2	629.4	623.2	618.8	613.7	614.3	614.3	608.5	608.5	616.7	617.8
5°	632.1	635.8	625.3	616.7	605.8	603.4	596.6	589.8	587.4	594.6	595.6
7.5°	639.3	637.2	624.6	610.9	596.6	585.3	576.8	565.5	560.4	568.6	570.0
10°	646.4	640.3	627.3	610.9	588.1	571.7	559.1	538.9	533.5	537.6	539.6
12.5°	666.2	658.0	643.0	614.7	588.7	566.6	542.0	516.7	503.8	508.5	511.3
15°	695.6	683.3	667.6	632.8	596.9	564.9	531.4	491.5	467.9	465.2	465.9
17.5°	730.4	717.4	696.6	654.3	608.5	564.9	515.4	465.2	426.3	415.0	416.4
20°	765.5	751.2	734.5	679.2	619.5	556.3	495.6	430.0	374.4	348.8	348.8
22.5°	805.8	795.6	767.6	699.0	623.2	543.0	465.2	382.6	314.3	276.8	275.4
25°	858.0	848.8	797.3	714.7	620.1	526.3	425.9	326.6	242.0	203.8	201.7
27.5°	916.4	898.3	826.3	726.3	609.6	499.3	373.7	255.6	168.6	132.4	130.7
30°	981.2	955.0	848.5	724.2	590.1	453.9	312.3	171.7	98.3	74.4	74.4
32.5°	1074.4	1026.6	874.8	719.5	563.2	399.7	229.4	101.7	49.1	37.9	37.9
35°	1256.3	1166.6	914.7	706.5	519.5	328.0	144.4	45.7	27.0	26.6	26.6
37.5°	1500.4	1347.1	978.9	687.4	459.4	238.6	72.0	25.3	25.3	25.9	25.6
40°	1714.4	1541.7	1064.5	658.4	393.5	150.5	32.8	24.2	25.6	26.6	26.6
42.5°	1873.4	1691.8	1147.5	616.1	314.3	76.8	27.3	23.5	24.6	24.9	25.3
45°	2008.2	1818.1	1213.7	562.5	230.0	36.5	27.3	23.2	23.2	23.2	23.5
47.5°	2111.6	1910.6	1259.1	499.3	143.0	30.7	28.7	22.9	21.5	20.8	21.2
50°	2192.5	1975.1	1275.1	429.0	70.6	31.1	28.0	21.5	18.8	19.1	19.5
52.5°	2249.5	2027.3	1258.0	341.3	36.5	32.8	28.3	20.8	16.7	17.7	17.7
55°	2302.4	2040.3	1214.7	242.7	32.8	33.1	28.3	19.1	14.3	16.4	17.4
57.5°	2315.7	2040.0	1146.8	152.6	35.2	31.4	27.0	18.8	13.7	16.4	17.1
60°	2335.5	2023.3	1053.6	93.2	36.9	29.0	25.3	17.7	13.0	13.7	14.3
62.5°	2314.0	1994.6	914.0	61.8	35.5	27.0	24.6	17.1	11.3	10.2	9.9
65°	2272.1	1898.7	689.8	49.8	33.1	26.3	22.2	15.0	9.2	6.5	6.1
67.5°	2174.1	1716.4	364.9	47.1	31.1	25.9	19.8	14.0	7.5	3.8	3.4
69°	2058.7	1531.8	165.5	47.8	36.2	25.9	20.1	12.3	6.8	2.7	2.4
70°	1938.3	1363.2	75.4	46.4	39.2	27.3	19.8	11.3	6.1	2.4	2.0
72.5°	1494.9	847.5	51.5	41.3	43.7	26.6	19.8	10.6	5.8	1.4	1.0
75°	887.4	210.2	46.4	32.8	41.6	32.4	23.9	11.6	5.1	0.7	0.0
77.5°	230.0	58.7	39.2	24.9	36.9	36.5	27.6	11.6	5.1	0.0	0.0
80°	59.4	45.1	33.8	16.0	29.0	35.5	22.5	13.0	4.1	0.0	0.0
82.5°	35.5	32.8	36.9	9.9	23.2	23.9	13.3	9.2	4.4	0.0	0.0
85°	20.5	28.3	25.9	7.5	4.4	2.4	5.5	10.2	4.4	0.0	0.0
87.5°	11.9	15.4	5.8	1.0	1.0	0.7	0.3	1.4	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)