

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: P511097

Luminaire Tested: **PRV-P-PA1A-740-U-T2U-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1A-740-U-T2U-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3253 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

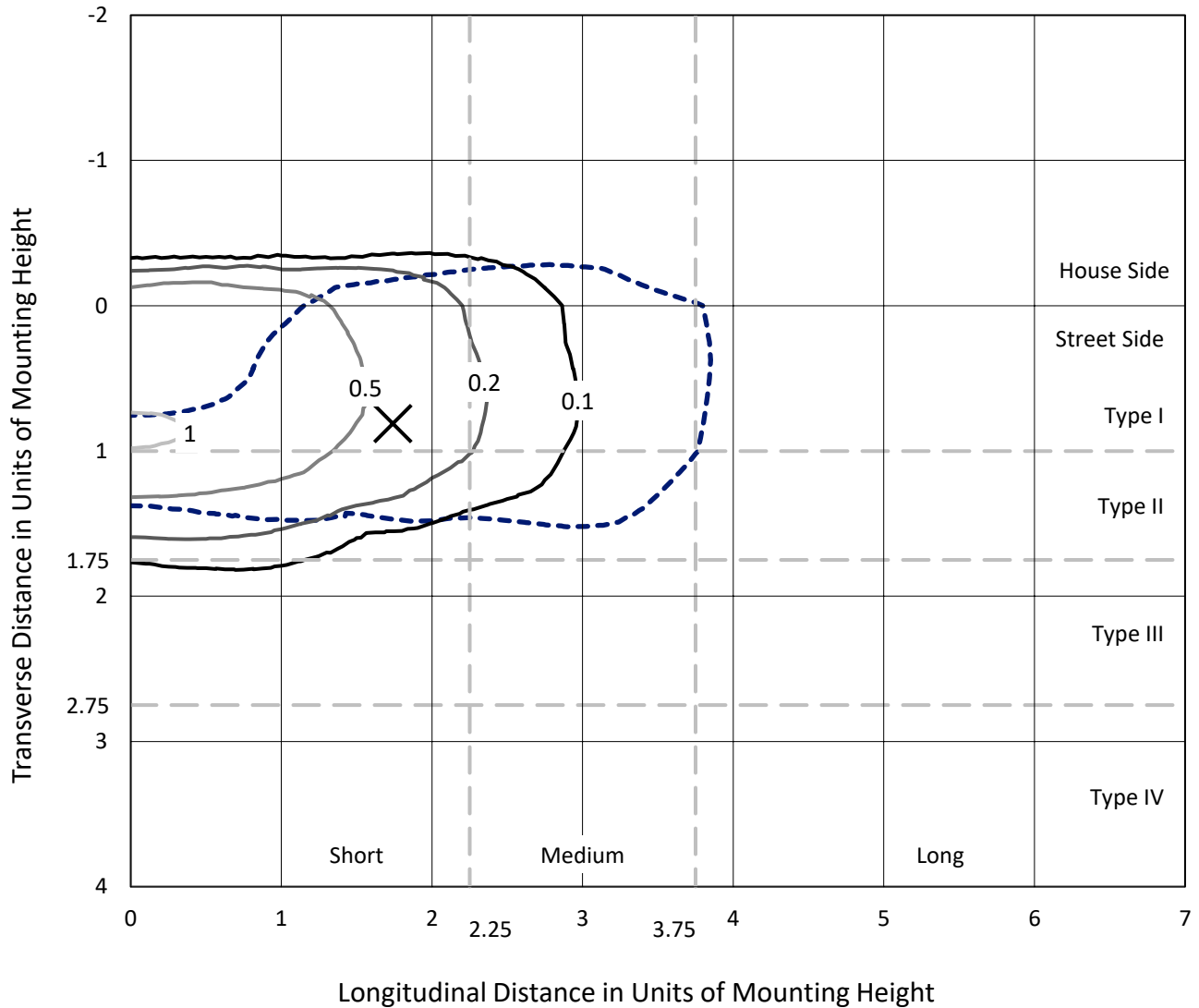
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

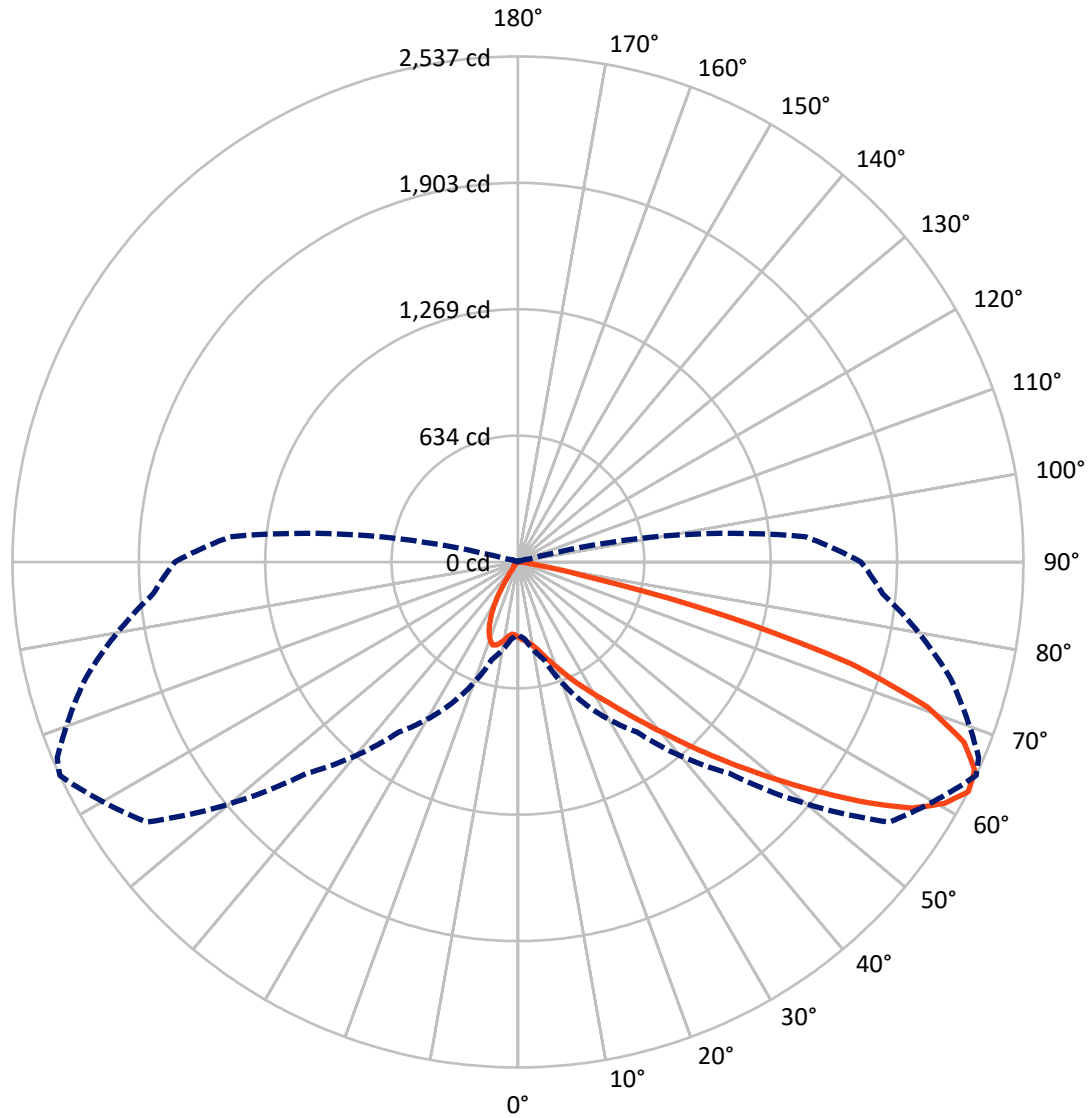
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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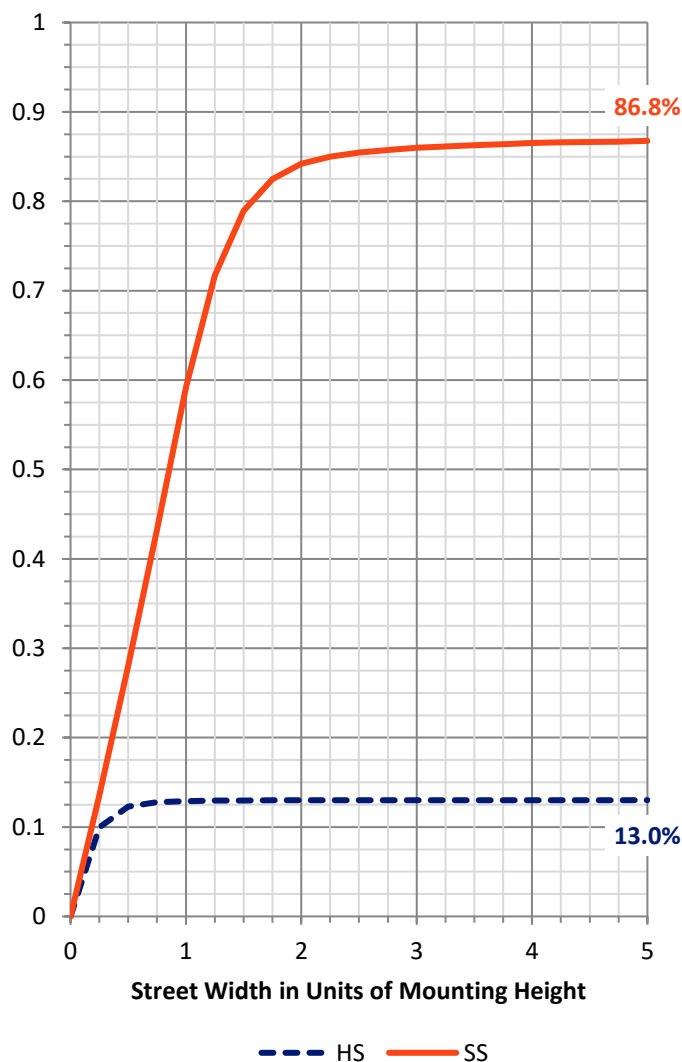
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	428.1	0.0	428.1
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	2824.9	0.0	2824.9
	% Fixture	86.8	0.0	86.8
Total	Lumens	3253.0	0.0	3253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.1
10°-20°	106.8	3.3
20°-30°	190.3	5.9
30°-40°	347.3	10.7
40°-50°	652.9	20.1
50°-60°	865.7	26.6
60°-70°	719.4	22.1
70°-80°	319.6	9.8
80°-90°	15.0	0.5
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°	3253.0	100.0
0°-180°	3253.0	100.0

Coefficient of Utilization

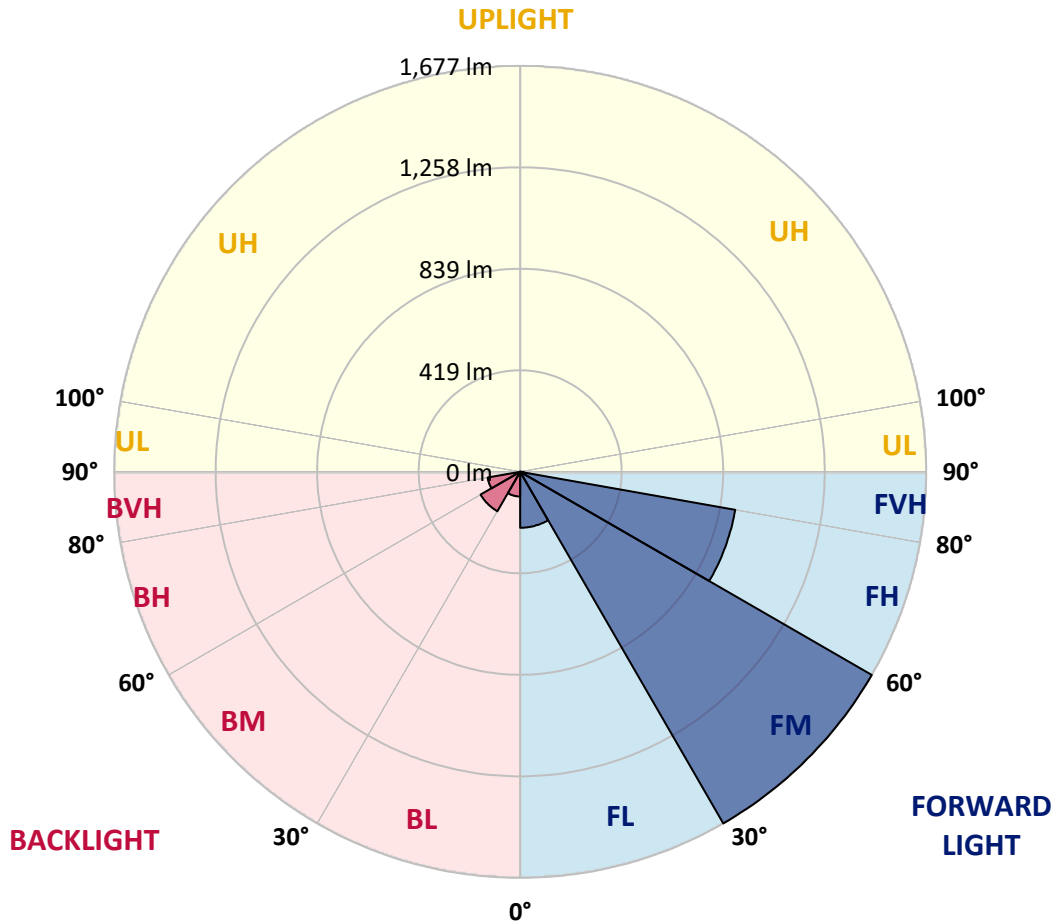


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.2	7.1			
FM (30°-60°)	1677.5	51.6			
FH (60°-80°)	902.4	27.7			G1/1800
FVH (80°-90°)	13.9	0.4			G1/100
BL (0°-30°)	101.9	3.1	B0/110		
BM (30°-60°)	188.4	5.8	B0/220		
BH (60°-80°)	136.6	4.2	B1/500		G1/500
BVH (80°-90°)	1.2	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0
2.5°	392.0	394.0	392.0	395.0	393.0	392.0	391.0	389.0	388.0	384.0	382.0
5°	386.0	386.0	388.0	392.0	393.0	397.0	397.0	398.0	396.0	395.0	390.0
7.5°	381.0	382.0	384.0	389.0	392.0	400.0	405.0	412.0	412.0	409.0	407.0
10°	394.0	395.0	397.0	403.0	406.0	417.0	423.0	429.0	430.0	431.0	430.0
12.5°	415.0	415.0	417.0	422.0	429.0	441.0	449.0	454.0	454.0	457.0	455.0
15°	445.0	444.0	446.0	449.0	453.0	468.0	480.0	488.0	488.0	486.0	480.0
17.5°	476.0	478.0	482.0	482.0	484.0	498.0	514.0	526.0	527.0	522.0	510.0
20°	512.0	514.0	515.0	520.0	518.0	531.0	547.0	566.0	568.0	562.0	541.0
22.5°	543.0	547.0	552.0	557.0	561.0	574.0	587.0	613.0	615.0	608.0	575.0
25°	584.0	581.0	590.0	594.0	602.0	616.0	633.0	665.0	667.0	655.0	615.0
27.5°	623.0	623.0	630.0	642.0	646.0	664.0	682.0	717.0	723.0	709.0	655.0
30°	692.0	697.0	694.0	697.0	693.0	714.0	742.0	779.0	782.0	763.0	702.0
32.5°	849.1	847.1	820.1	777.0	759.0	779.0	811.1	845.1	850.1	836.1	749.0
35°	1051.1	1060.1	1013.1	927.1	854.1	854.1	880.1	928.1	931.1	915.1	816.1
37.5°	1318.1	1312.1	1243.1	1132.1	997.1	954.1	979.1	1022.1	1027.1	1009.1	895.1
40°	1500.1	1516.1	1480.1	1370.1	1201.1	1100.1	1087.1	1129.1	1135.1	1118.1	982.1
42.5°	1643.1	1648.1	1640.1	1587.1	1445.1	1296.1	1221.1	1258.1	1258.1	1230.1	1084.1
45°	1745.1	1751.1	1749.1	1732.1	1661.1	1536.1	1398.1	1401.1	1407.1	1363.1	1187.1
47.5°	1779.1	1779.1	1809.1	1841.1	1843.1	1800.1	1622.1	1558.1	1550.1	1504.1	1297.1
50°	1687.1	1690.1	1764.1	1883.1	1976.1	2037.1	1873.1	1735.1	1716.1	1659.1	1421.1
52.5°	1433.1	1430.1	1558.1	1798.1	2049.1	2212.1	2078.1	1929.1	1903.1	1789.1	1526.1
55°	1152.1	1173.1	1305.1	1540.1	1977.1	2299.1	2242.1	2133.1	2079.1	1935.1	1625.1
57.5°	867.1	901.1	1086.1	1285.1	1697.1	2237.1	2339.1	2331.1	2279.1	2060.1	1712.1
60°	557.0	588.0	782.0	1028.1	1371.1	1984.1	2356.1	2459.2	2433.2	2172.1	1797.1
62.5°	364.0	388.0	508.0	781.0	1042.1	1500.1	2276.1	2537.2	2512.2	2246.1	1838.1
65°	214.0	223.0	301.0	535.0	765.0	977.1	2061.1	2519.2	2535.2	2311.1	1864.1
67.5°	154.0	155.0	191.0	297.0	540.0	564.0	1557.1	2415.2	2450.2	2333.1	1855.1
70°	131.0	135.0	160.0	196.0	378.0	296.0	902.1	2180.1	2266.1	2303.1	1832.1
72.5°	101.0	107.0	132.0	168.0	271.0	200.0	342.0	1754.1	1871.1	2078.1	1745.1
75°	64.0	70.0	98.0	134.0	192.0	160.0	139.0	1055.1	1179.1	1439.1	1397.1
77.5°	38.0	39.0	60.0	96.0	170.0	119.0	81.0	366.0	484.0	701.0	717.0
80°	19.0	21.0	33.0	61.0	105.0	88.0	49.0	111.0	139.0	242.0	168.0
82.5°	11.0	12.0	18.0	34.0	55.0	52.0	27.0	49.0	55.0	66.0	29.0
85°	1.0	2.0	9.0	14.0	19.0	12.0	11.0	20.0	21.0	30.0	10.0
87.5°	0.0	0.0	1.0	1.0	2.0	2.0	3.0	4.0	4.0	4.0	3.0
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°	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0
2.5°	378.0	378.0	372.0	367.0	364.0	360.0	355.0	353.0	350.0	349.0	350.0
5°	388.0	383.0	372.0	363.0	355.0	348.0	341.0	338.0	335.0	335.0	335.0
7.5°	404.0	398.0	385.0	374.0	364.0	358.0	347.0	336.0	326.0	323.0	321.0
10°	427.0	420.0	406.0	394.0	382.0	360.0	329.0	298.0	276.0	265.0	266.0
12.5°	450.0	442.0	429.0	415.0	387.0	334.0	277.0	226.0	193.0	176.0	171.0
15°	476.0	467.0	452.0	431.0	369.0	283.0	202.0	134.0	98.0	86.0	82.0
17.5°	505.0	492.0	477.0	435.0	329.0	208.0	112.0	70.0	59.0	56.0	55.0
20°	531.0	520.0	499.0	417.0	271.0	128.0	63.0	52.0	48.0	46.0	46.0
22.5°	561.0	545.0	520.0	386.0	200.0	72.0	49.0	43.0	39.0	38.0	37.0
25°	592.0	572.0	535.0	344.0	127.0	51.0	41.0	36.0	32.0	30.0	31.0
27.5°	628.0	597.0	541.0	289.0	73.0	43.0	34.0	29.0	26.0	25.0	25.0
30°	656.0	628.0	534.0	227.0	50.0	37.0	28.0	23.0	21.0	20.0	20.0
32.5°	697.0	659.0	515.0	149.0	41.0	31.0	23.0	19.0	17.0	17.0	17.0
35°	753.0	700.0	484.0	89.0	35.0	26.0	19.0	16.0	15.0	15.0	15.0
37.5°	825.1	763.0	456.0	52.0	29.0	21.0	16.0	14.0	13.0	13.0	13.0
40°	903.1	834.1	423.0	37.0	24.0	18.0	14.0	12.0	11.0	11.0	12.0
42.5°	1001.1	915.1	377.0	32.0	21.0	15.0	12.0	10.0	9.0	10.0	10.0
45°	1091.1	1001.1	323.0	27.0	18.0	13.0	10.0	8.0	8.0	9.0	9.0
47.5°	1203.1	1087.1	254.0	24.0	16.0	11.0	8.0	7.0	7.0	8.0	8.0
50°	1305.1	1174.1	187.0	21.0	14.0	9.0	7.0	6.0	6.0	6.0	7.0
52.5°	1408.1	1261.1	143.0	18.0	12.0	8.0	6.0	5.0	4.0	5.0	5.0
55°	1504.1	1330.1	109.0	16.0	10.0	7.0	5.0	4.0	3.0	4.0	4.0
57.5°	1594.1	1383.1	89.0	14.0	9.0	6.0	4.0	3.0	3.0	3.0	3.0
60°	1662.1	1424.1	68.0	12.0	8.0	5.0	3.0	2.0	2.0	2.0	2.0
62.5°	1722.1	1449.1	54.0	10.0	7.0	4.0	2.0	2.0	1.0	1.0	1.0
65°	1759.1	1453.1	43.0	9.0	6.0	4.0	2.0	1.0	0.0	0.0	0.0
67.5°	1774.1	1437.1	35.0	7.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0
70°	1768.1	1384.1	27.0	6.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0
72.5°	1690.1	1227.1	20.0	5.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0
75°	1322.1	661.0	14.0	4.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
77.5°	700.0	235.0	9.0	3.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
80°	126.0	49.0	4.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
82.5°	20.0	5.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
85°	7.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	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)