

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: P511239

Luminaire Tested: **PRV-P-PA1C-740-U-T2R-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511239
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-PA1C-740-U-T2R-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 930mA 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: 7855 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G2

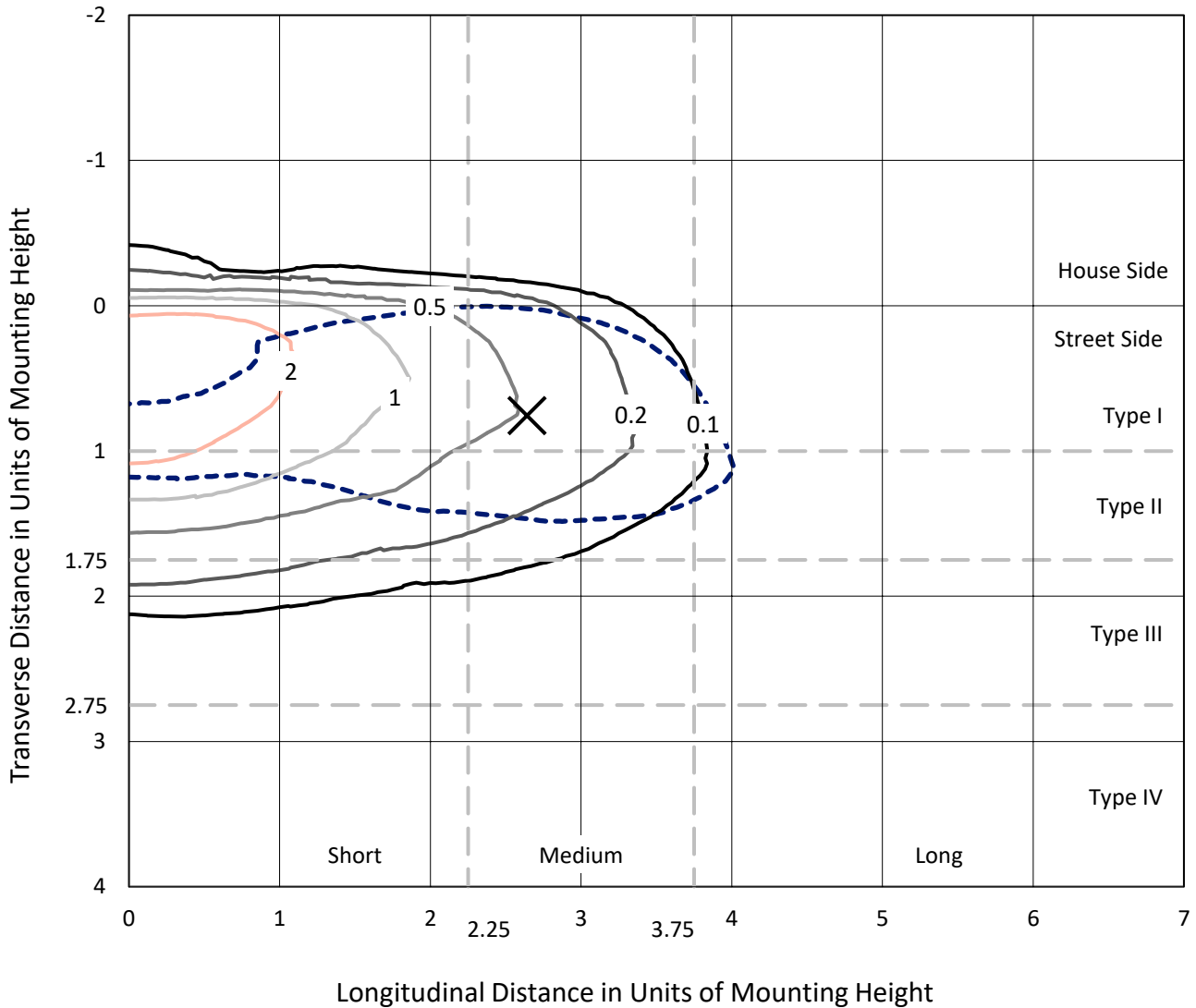
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

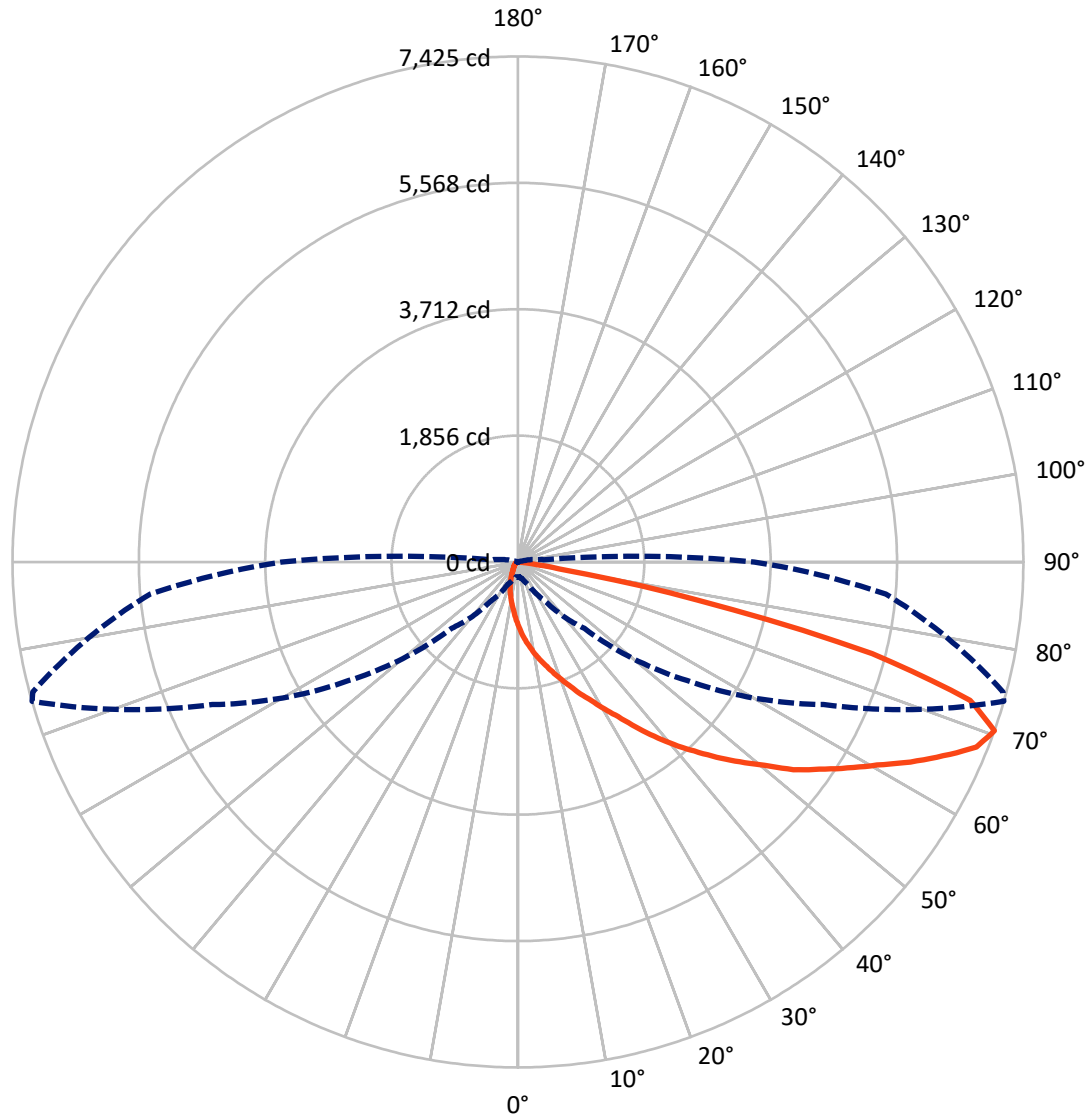
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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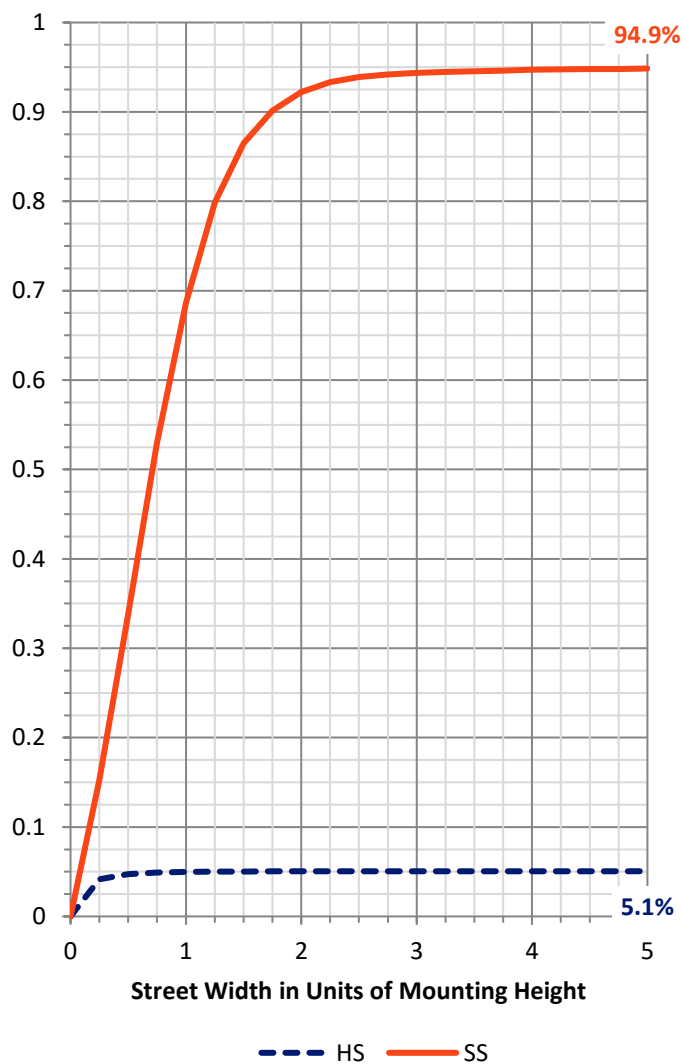
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	399.6	0.0	399.6
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	7455.3	0.0	7455.3
	% Fixture	94.9	0.0	94.9
Total	Lumens	7855.0	0.0	7855.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	1.1
10°-20°	284.7	3.6
20°-30°	569.4	7.2
30°-40°	1064.3	13.5
40°-50°	1577.3	20.1
50°-60°	1803.5	23.0
60°-70°	1633.4	20.8
70°-80°	806.5	10.3
80°-90°	27.3	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°	7855.0	100.0
0°-180°	7855.0	100.0

Coefficient of Utilization



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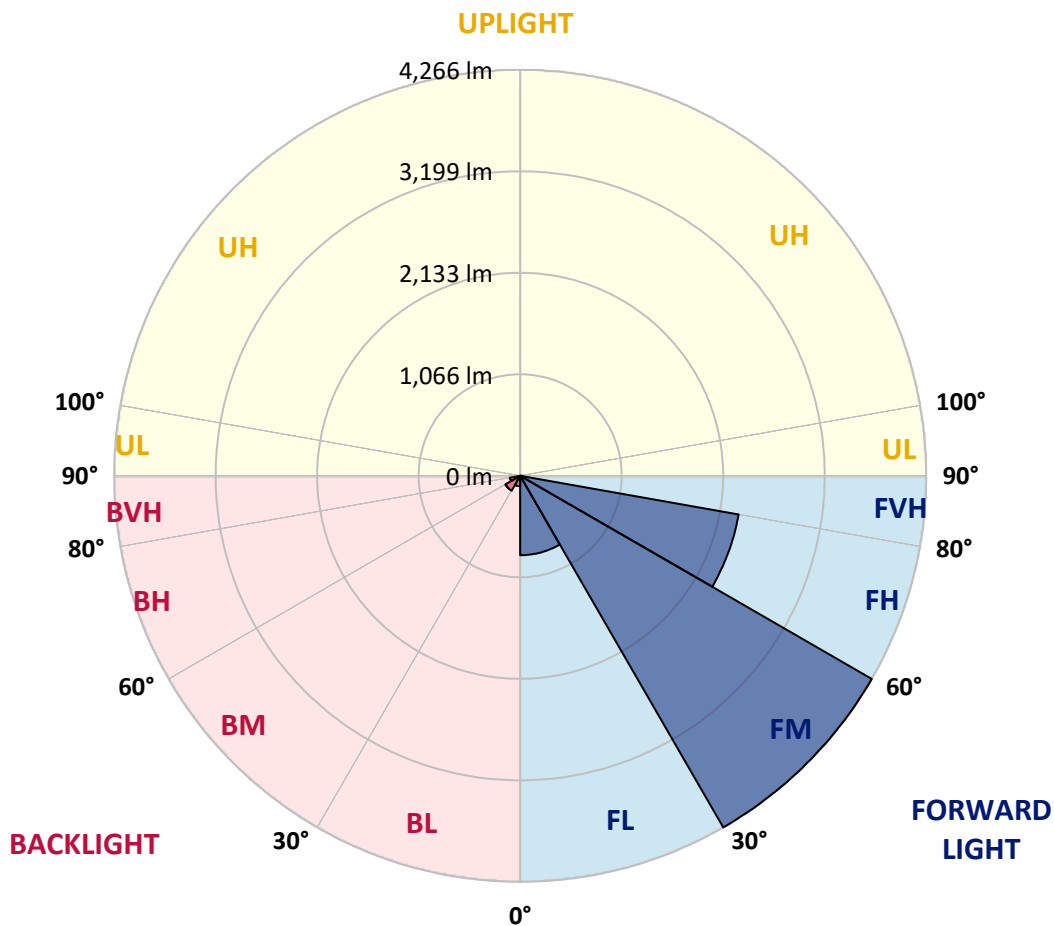
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.8	10.6			
FM (30°-60°)	4265.5	54.3			
FH (60°-80°)	2330.4	29.7			G2/5000
FVH (80°-90°)	25.7	0.3			G1/100
BL (0°-30°)	108.9	1.4	B0/110		
BM (30°-60°)	179.7	2.3	B0/220		
BH (60°-80°)	109.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	935.7	935.7	935.7	935.7	935.7	935.7	935.7	935.7	935.7	935.7	935.7
2.5°	1283.4	1275.0	1266.6	1266.6	1241.3	1190.7	1161.2	1110.6	1049.5	1036.9	982.1
5°	1468.9	1477.3	1466.8	1445.7	1422.5	1382.5	1325.6	1241.3	1154.9	1148.6	1020.0
7.5°	1563.7	1567.9	1561.6	1563.7	1551.1	1508.9	1464.7	1374.0	1262.4	1251.8	1076.9
10°	1643.8	1648.0	1641.7	1645.9	1626.9	1618.5	1578.5	1494.2	1374.0	1361.4	1142.2
12.5°	1745.0	1742.8	1740.7	1749.2	1726.0	1711.2	1685.9	1610.1	1483.6	1460.5	1220.2
15°	1806.1	1810.3	1806.1	1829.3	1835.6	1820.8	1782.9	1723.9	1593.2	1578.5	1298.2
17.5°	1848.2	1848.2	1867.2	1905.1	1922.0	1928.3	1917.8	1839.8	1719.7	1698.6	1393.0
20°	1892.5	1905.1	1922.0	1966.2	1997.8	2029.5	2046.3	2004.2	1850.3	1831.4	1485.7
22.5°	2012.6	2016.8	2018.9	2061.1	2090.6	2132.7	2151.7	2153.8	1987.3	1970.5	1580.6
25°	2370.9	2341.4	2280.2	2229.7	2242.3	2252.8	2252.8	2314.0	2153.8	2122.2	1681.7
27.5°	2859.8	2842.9	2765.0	2640.6	2432.0	2415.1	2394.0	2484.7	2305.5	2265.5	1772.4
30°	3317.1	3312.9	3203.3	3057.9	2838.7	2619.5	2539.5	2636.4	2505.7	2444.6	1863.0
32.5°	3622.7	3629.0	3572.1	3454.1	3258.1	2965.2	2703.8	2781.8	2708.1	2665.9	1974.7
35°	3822.9	3822.9	3778.6	3713.3	3578.4	3340.3	2948.3	2963.1	2973.6	2929.3	2126.4
37.5°	3957.8	3943.0	3896.6	3858.7	3795.5	3664.8	3308.7	3156.9	3247.6	3161.2	2292.9
40°	4054.7	4029.4	3997.8	3951.4	3926.2	3905.1	3669.0	3376.1	3527.8	3443.5	2472.0
42.5°	4101.1	4096.9	4058.9	4027.3	4014.7	4080.0	3993.6	3637.4	3795.5	3732.3	2653.3
45°	4109.5	4111.6	4101.1	4058.9	4065.2	4198.0	4233.8	3936.7	4090.5	4016.8	2864.0
47.5°	4046.3	4046.3	4075.8	4082.1	4090.5	4246.5	4465.7	4276.0	4385.6	4303.4	3074.7
50°	3776.5	3810.2	3913.5	4004.1	4035.7	4273.9	4621.6	4577.3	4695.4	4604.7	3327.6
52.5°	3051.6	3102.1	3445.7	3755.5	3964.1	4254.9	4714.3	4878.7	5068.4	4990.4	3591.1
55°	2309.7	2358.2	2628.0	3256.0	3732.3	4195.9	4758.6	5066.3	5374.0	5300.2	3831.3
57.5°	1955.7	1936.7	2094.8	2600.6	3289.7	4027.3	4800.7	5207.5	5709.0	5624.7	4092.6
60°	1662.8	1635.4	1736.5	2021.0	2636.4	3698.5	4832.3	5296.0	6056.8	5966.1	4394.0
62.5°	1266.6	1279.2	1374.0	1626.9	2120.1	3135.9	4767.0	5361.3	6469.8	6381.3	4712.2
65°	765.0	821.9	982.1	1235.0	1667.0	2518.4	4476.2	5380.3	6866.0	6785.9	5043.1
67.5°	375.1	404.6	516.3	769.2	1211.8	1995.7	3865.0	5289.7	7262.2	7222.2	5357.1
70°	219.2	217.1	259.2	370.9	706.0	1378.3	3036.8	4952.5	7424.5	7376.0	5424.5
72.5°	162.3	170.7	191.8	221.3	345.6	878.8	2198.1	4347.6	6946.1	6855.5	4821.8
75°	113.8	118.0	147.5	168.6	204.4	440.5	1384.6	3178.0	5374.0	5237.0	3226.5
77.5°	86.4	90.6	105.4	139.1	160.2	215.0	501.6	1721.8	2697.5	2579.5	1302.4
80°	40.0	42.1	65.3	90.6	115.9	126.4	134.9	518.4	604.8	531.1	196.0
82.5°	25.3	29.5	37.9	67.4	82.2	56.9	54.8	113.8	101.2	92.7	46.4
85°	2.1	2.1	16.9	25.3	16.9	8.4	27.4	27.4	31.6	33.7	16.9
87.5°	0.0	0.0	0.0	2.1	4.2	4.2	6.3	6.3	6.3	6.3	6.3
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°	935.7	935.7	935.7	935.7	935.7	935.7	935.7	935.7	935.7	935.7	935.7
2.5°	946.2	910.4	843.0	777.6	720.7	661.7	619.6	606.9	583.8	566.9	579.5
5°	954.7	887.2	748.1	630.1	529.0	459.4	410.9	373.0	337.2	324.5	330.9
7.5°	975.7	868.3	665.9	516.3	398.3	311.9	261.3	231.8	212.9	204.4	200.2
10°	1009.5	864.0	600.6	419.4	288.7	215.0	183.3	170.7	166.5	164.4	164.4
12.5°	1041.1	847.2	531.1	326.7	215.0	170.7	158.1	151.7	149.6	147.5	145.4
15°	1083.2	843.0	472.1	255.0	172.8	153.8	141.2	134.9	130.7	128.6	128.6
17.5°	1116.9	836.7	406.7	202.3	156.0	139.1	126.4	118.0	113.8	111.7	109.6
20°	1169.6	836.7	349.8	172.8	143.3	126.4	111.7	103.3	96.9	92.7	92.7
22.5°	1226.5	843.0	290.8	156.0	132.8	111.7	96.9	86.4	80.1	78.0	75.9
25°	1287.6	840.9	240.2	141.2	118.0	96.9	82.2	71.7	67.4	65.3	65.3
27.5°	1338.2	828.2	196.0	128.6	103.3	82.2	67.4	59.0	56.9	54.8	54.8
30°	1395.1	815.6	160.2	113.8	88.5	69.5	56.9	50.6	46.4	46.4	46.4
32.5°	1466.8	807.1	137.0	99.0	75.9	59.0	48.5	42.1	42.1	40.0	40.0
35°	1565.8	796.6	122.2	86.4	63.2	48.5	40.0	35.8	33.7	35.8	35.8
37.5°	1683.8	781.9	109.6	75.9	54.8	42.1	33.7	31.6	31.6	31.6	31.6
40°	1808.2	779.8	96.9	65.3	46.4	33.7	29.5	25.3	25.3	27.4	29.5
42.5°	1957.8	771.3	88.5	59.0	40.0	29.5	23.2	21.1	23.2	25.3	25.3
45°	2094.8	754.5	80.1	50.6	35.8	25.3	21.1	19.0	19.0	21.1	23.2
47.5°	2263.4	746.0	73.8	44.3	29.5	21.1	16.9	14.8	14.8	16.9	19.0
50°	2465.7	750.2	65.3	37.9	25.3	19.0	14.8	10.5	12.6	14.8	14.8
52.5°	2646.9	743.9	59.0	31.6	21.1	14.8	10.5	8.4	8.4	12.6	12.6
55°	2811.3	737.6	50.6	27.4	16.9	12.6	8.4	6.3	6.3	10.5	10.5
57.5°	2986.2	718.6	44.3	23.2	14.8	10.5	6.3	4.2	6.3	8.4	8.4
60°	3192.8	689.1	37.9	19.0	12.6	10.5	4.2	4.2	4.2	6.3	6.3
62.5°	3393.0	653.3	33.7	19.0	10.5	8.4	4.2	2.1	2.1	4.2	4.2
65°	3622.7	590.1	29.5	16.9	10.5	6.3	4.2	2.1	2.1	2.1	2.1
67.5°	3688.0	499.5	27.4	12.6	8.4	6.3	4.2	2.1	0.0	2.1	2.1
70°	3475.2	375.1	25.3	10.5	6.3	4.2	2.1	2.1	0.0	2.1	2.1
72.5°	2777.6	231.8	21.1	8.4	6.3	4.2	2.1	0.0	0.0	0.0	2.1
75°	1717.6	101.2	14.8	6.3	4.2	4.2	2.1	0.0	0.0	0.0	0.0
77.5°	638.6	52.7	10.5	6.3	4.2	2.1	2.1	0.0	0.0	0.0	0.0
80°	90.6	23.2	6.3	4.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0
82.5°	23.2	10.5	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0
85°	10.5	6.3	4.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0
87.5°	6.3	6.3	6.3	4.2	4.2	2.1	2.1	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)