

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: P511311

Luminaire Tested: **PRV-P-PA1D-740-U-T2R-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511311
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-740-U-T2R-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 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: 9349 lumens
Efficiency: N/A
Efficacy: 100.1 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

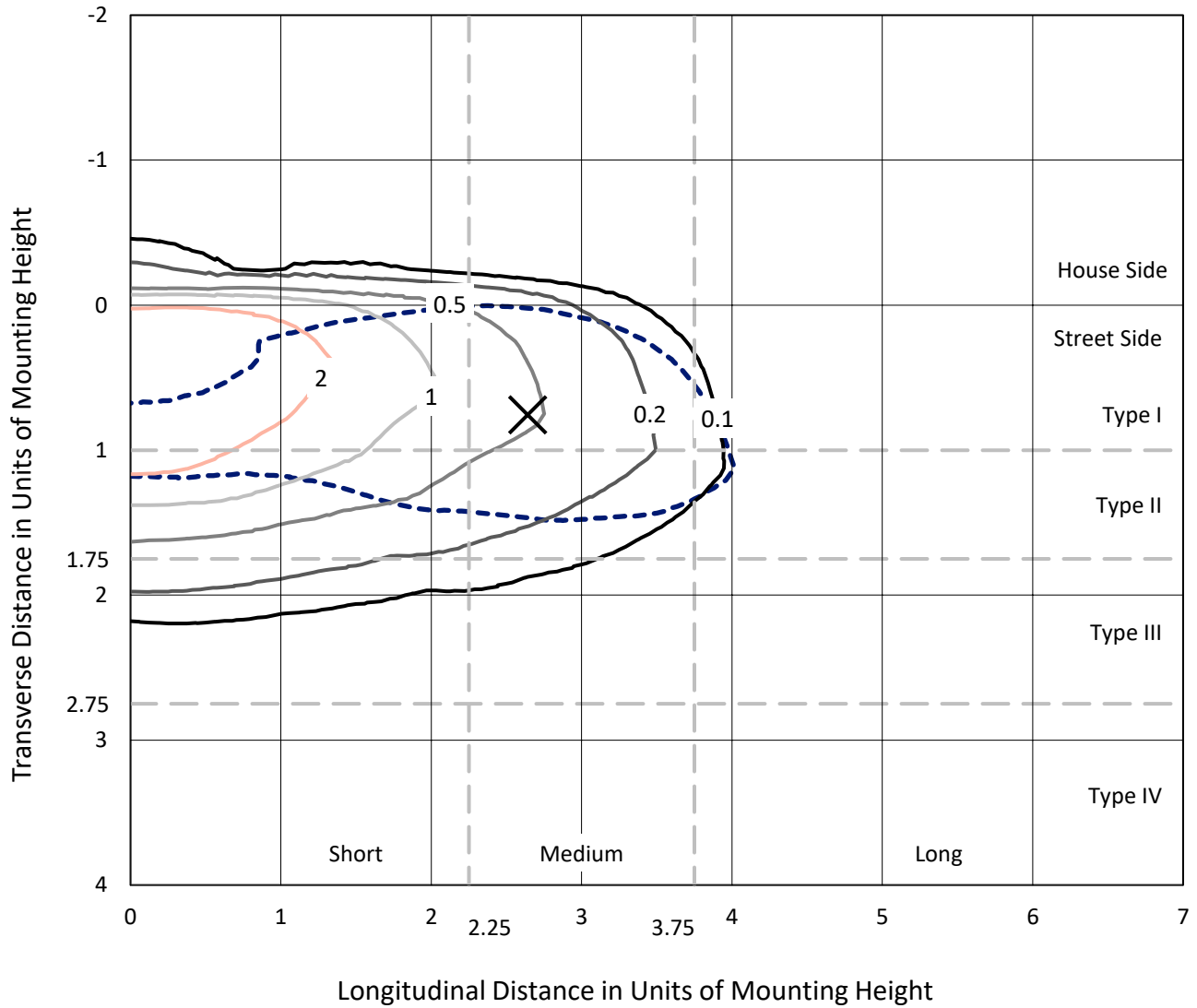
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511311
 CATALOG NUMBER: PRV-P-PA1D-740-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

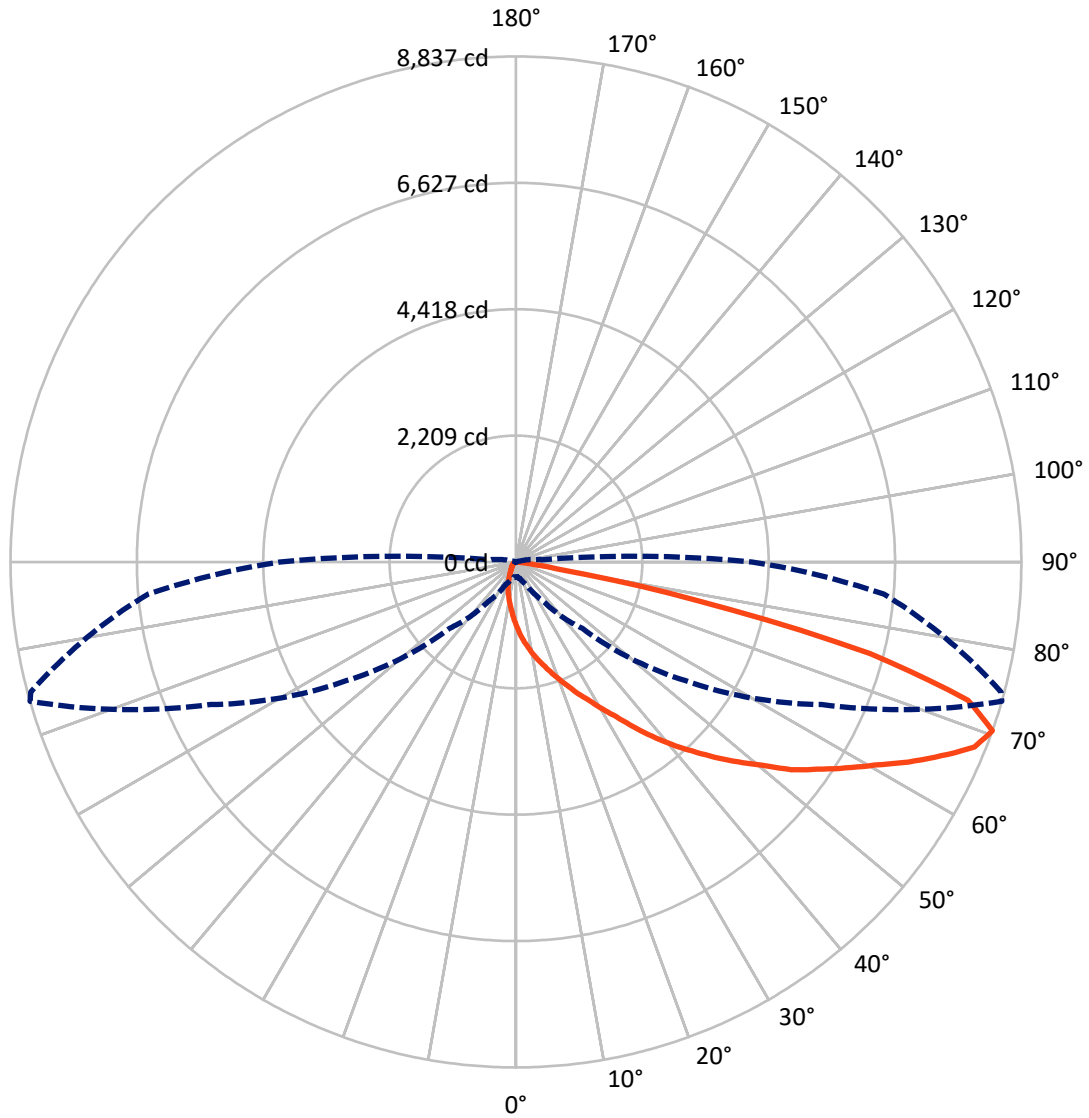
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P511311
CATALOG NUMBER: PRV-P-PA1D-740-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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 CATALOG NUMBER: PRV-P-PA1D-740-U-T2R-HSS

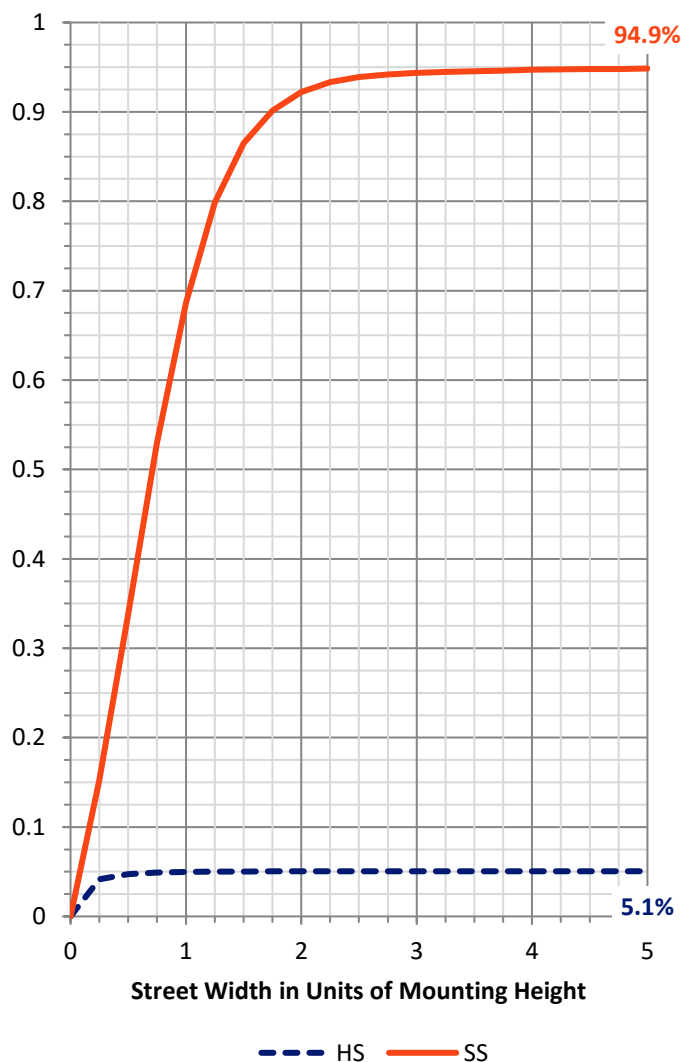
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.6	0.0	475.6
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	8873.3	0.0	8873.3
	% Fixture	94.9	0.0	94.9
Total	Lumens	9349.0	0.0	9349.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.1
10°-20°	338.9	3.6
20°-30°	677.7	7.2
30°-40°	1266.8	13.5
40°-50°	1877.3	20.1
50°-60°	2146.6	23.0
60°-70°	1944.0	20.8
70°-80°	959.9	10.3
80°-90°	32.5	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°	9349.0	100.0
0°-180°	9349.0	100.0

Coefficient of Utilization



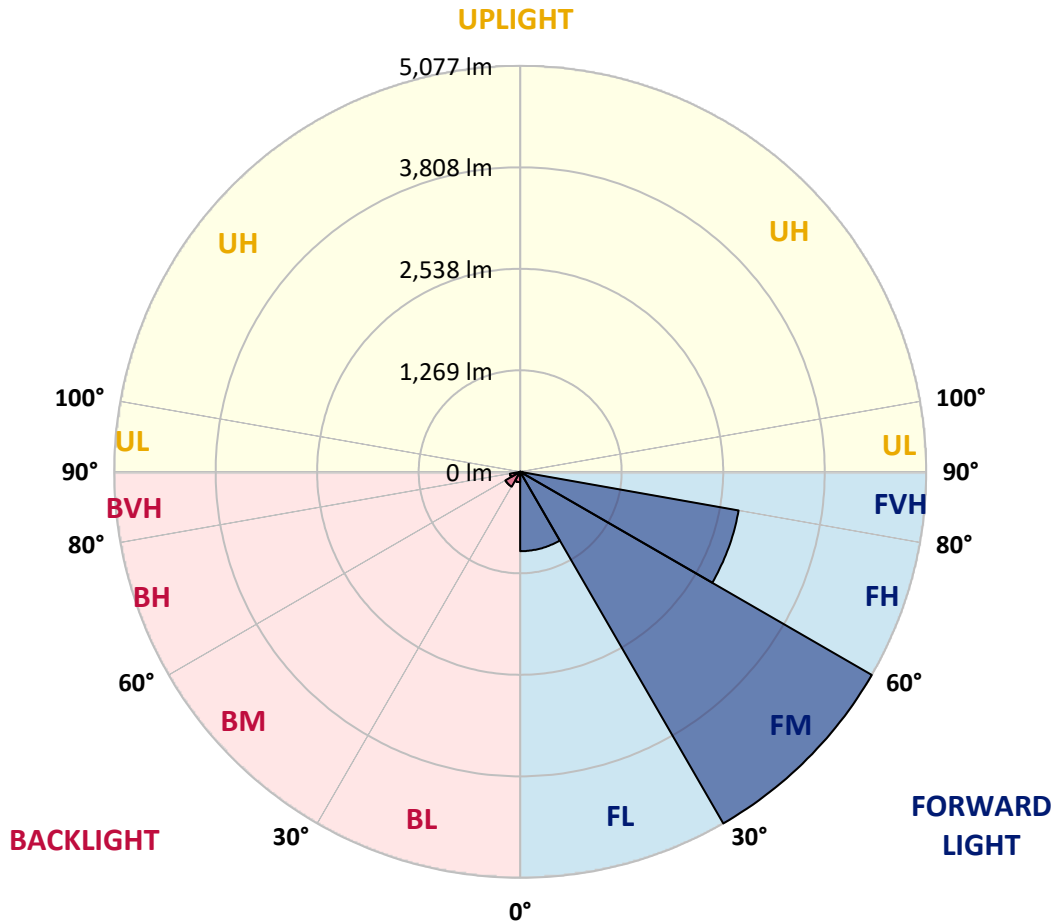
REPORT NUMBER: P511311
 CATALOG NUMBER: PRV-P-PA1D-740-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	992.4	10.6			
FM (30°-60°)	5076.8	54.3			
FH (60°-80°)	2773.6	29.7			G2/5000
FVH (80°-90°)	30.6	0.3			G1/100
BL (0°-30°)	129.6	1.4	B1/500		
BM (30°-60°)	213.8	2.3	B0/220		
BH (60°-80°)	130.3	1.4	B1/500		G1/500
BVH (80°-90°)	1.9	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





REPORT NUMBER: P511311

CATALOG NUMBER: PRV-P-PA1D-740-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7
2.5°	1527.5	1517.5	1507.5	1507.5	1477.4	1417.2	1382.1	1321.9	1249.1	1234.1	1168.9
5°	1748.3	1758.3	1745.8	1720.7	1693.1	1645.4	1577.7	1477.4	1374.5	1367.0	1214.0
7.5°	1861.1	1866.1	1858.6	1861.1	1846.1	1795.9	1743.2	1635.4	1502.5	1489.9	1281.7
10°	1956.4	1961.5	1953.9	1959.0	1936.4	1926.3	1878.7	1778.4	1635.4	1620.3	1359.5
12.5°	2076.8	2074.3	2071.8	2081.9	2054.3	2036.7	2006.6	1916.3	1765.8	1738.2	1452.3
15°	2149.6	2154.6	2149.6	2177.2	2184.7	2167.1	2122.0	2051.8	1896.2	1878.7	1545.1
17.5°	2199.7	2199.7	2222.3	2267.5	2287.5	2295.1	2282.5	2189.7	2046.7	2021.7	1658.0
20°	2252.4	2267.5	2287.5	2340.2	2377.8	2415.5	2435.5	2385.4	2202.3	2179.7	1768.3
22.5°	2395.4	2400.4	2402.9	2453.1	2488.2	2538.4	2560.9	2563.4	2365.3	2345.2	1881.2
25°	2821.8	2786.7	2713.9	2653.7	2668.8	2681.3	2681.3	2754.1	2563.4	2525.8	2001.6
27.5°	3403.7	3383.6	3290.8	3142.9	2894.5	2874.5	2849.4	2957.2	2744.0	2696.4	2109.5
30°	3948.0	3943.0	3812.6	3639.5	3378.6	3117.8	3022.5	3137.8	2982.3	2909.6	2217.3
32.5°	4311.7	4319.2	4251.5	4111.0	3877.8	3529.1	3218.1	3310.9	3223.1	3173.0	2350.2
35°	4550.0	4550.0	4497.3	4419.6	4259.0	3975.6	3509.1	3526.6	3539.2	3486.5	2530.8
37.5°	4710.5	4693.0	4637.8	4592.6	4517.4	4361.9	3938.0	3757.4	3865.2	3762.4	2729.0
40°	4825.9	4795.8	4758.2	4703.0	4672.9	4647.8	4366.9	4018.2	4198.8	4098.5	2942.2
42.5°	4881.1	4876.1	4830.9	4793.3	4778.2	4856.0	4753.2	4329.3	4517.4	4442.1	3157.9
45°	4891.1	4893.6	4881.1	4830.9	4838.4	4996.5	5039.1	4685.4	4868.5	4780.8	3408.7
47.5°	4815.9	4815.9	4851.0	4858.5	4868.5	5054.2	5315.0	5089.3	5219.7	5121.9	3659.6
50°	4494.8	4534.9	4657.8	4765.7	4803.3	5086.8	5500.6	5447.9	5588.4	5480.6	3960.5
52.5°	3632.0	3692.2	4101.0	4469.7	4718.0	5064.2	5611.0	5806.6	6032.4	5939.6	4274.1
55°	2749.1	2806.7	3127.8	3875.3	4442.1	4994.0	5663.7	6029.9	6396.1	6308.3	4560.0
57.5°	2327.7	2305.1	2493.2	3095.2	3915.4	4793.3	5713.8	6197.9	6794.9	6694.6	4871.0
60°	1979.0	1946.4	2066.8	2405.4	3137.8	4402.0	5751.4	6303.3	7208.8	7100.9	5229.7
62.5°	1507.5	1522.5	1635.4	1936.4	2523.3	3732.3	5673.7	6381.0	7700.4	7595.0	5608.5
65°	910.5	978.2	1168.9	1469.8	1984.0	2997.4	5327.6	6403.6	8171.9	8076.6	6002.3
67.5°	446.5	481.6	614.5	915.5	1442.3	2375.3	4600.2	6295.7	8643.5	8595.8	6376.0
70°	260.9	258.4	308.5	441.5	840.3	1640.4	3614.4	5894.4	8836.6	8778.9	6456.3
72.5°	193.1	203.2	228.3	263.4	411.4	1045.9	2616.1	5174.5	8267.2	8159.4	5738.9
75°	135.4	140.5	175.6	200.7	243.3	524.2	1647.9	3782.5	6396.1	6233.0	3840.2
77.5°	102.8	107.9	125.4	165.5	190.6	255.8	597.0	2049.3	3210.6	3070.1	1550.1
80°	47.7	50.2	77.8	107.9	138.0	150.5	160.5	617.0	719.9	632.1	233.3
82.5°	30.1	35.1	45.1	80.3	97.8	67.7	65.2	135.4	120.4	110.4	55.2
85°	2.5	2.5	20.1	30.1	20.1	10.0	32.6	32.6	37.6	40.1	20.1
87.5°	0.0	0.0	0.0	2.5	5.0	5.0	7.5	7.5	7.5	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P511311
 CATALOG NUMBER: PRV-P-PA1D-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7
2.5°	1126.2	1083.6	1003.3	925.5	857.8	787.6	737.4	722.4	694.8	674.7	689.8
5°	1136.2	1056.0	890.4	750.0	629.6	546.8	489.1	444.0	401.3	386.3	393.8
7.5°	1161.3	1033.4	792.6	614.5	474.1	371.2	311.0	275.9	253.3	243.3	238.3
10°	1201.5	1028.4	714.9	499.1	343.6	255.8	218.2	203.2	198.2	195.6	195.6
12.5°	1239.1	1008.3	632.1	388.8	255.8	203.2	188.1	180.6	178.1	175.6	173.1
15°	1289.2	1003.3	561.9	303.5	205.7	183.1	168.1	160.5	155.5	153.0	153.0
17.5°	1329.4	995.8	484.1	240.8	185.6	165.5	150.5	140.5	135.4	132.9	130.4
20°	1392.1	995.8	416.4	205.7	170.6	150.5	132.9	122.9	115.4	110.4	110.4
22.5°	1459.8	1003.3	346.1	185.6	158.0	132.9	115.4	102.8	95.3	92.8	90.3
25°	1532.5	1000.8	285.9	168.1	140.5	115.4	97.8	85.3	80.3	77.8	77.8
27.5°	1592.7	985.7	233.3	153.0	122.9	97.8	80.3	70.2	67.7	65.2	65.2
30°	1660.5	970.7	190.6	135.4	105.3	82.8	67.7	60.2	55.2	55.2	55.2
32.5°	1745.8	960.7	163.0	117.9	90.3	70.2	57.7	50.2	50.2	47.7	47.7
35°	1863.6	948.1	145.5	102.8	75.2	57.7	47.7	42.6	40.1	42.6	42.6
37.5°	2004.1	930.6	130.4	90.3	65.2	50.2	40.1	37.6	37.6	37.6	37.6
40°	2152.1	928.1	115.4	77.8	55.2	40.1	35.1	30.1	30.1	32.6	35.1
42.5°	2330.2	918.0	105.3	70.2	47.7	35.1	27.6	25.1	27.6	30.1	30.1
45°	2493.2	898.0	95.3	60.2	42.6	30.1	25.1	22.6	22.6	25.1	27.6
47.5°	2693.9	887.9	87.8	52.7	35.1	25.1	20.1	17.6	17.6	20.1	22.6
50°	2934.7	892.9	77.8	45.1	30.1	22.6	17.6	12.5	15.0	17.6	17.6
52.5°	3150.4	885.4	70.2	37.6	25.1	17.6	12.5	10.0	10.0	15.0	15.0
55°	3346.0	877.9	60.2	32.6	20.1	15.0	10.0	7.5	7.5	12.5	12.5
57.5°	3554.2	855.3	52.7	27.6	17.6	12.5	7.5	5.0	7.5	10.0	10.0
60°	3800.0	820.2	45.1	22.6	15.0	12.5	5.0	5.0	5.0	7.5	7.5
62.5°	4038.3	777.6	40.1	22.6	12.5	10.0	5.0	2.5	2.5	5.0	5.0
65°	4311.7	702.3	35.1	20.1	12.5	7.5	5.0	2.5	2.5	2.5	2.5
67.5°	4389.5	594.5	32.6	15.0	10.0	7.5	5.0	2.5	0.0	2.5	2.5
70°	4136.1	446.5	30.1	12.5	7.5	5.0	2.5	2.5	0.0	2.5	2.5
72.5°	3305.9	275.9	25.1	10.0	7.5	5.0	2.5	0.0	0.0	0.0	2.5
75°	2044.2	120.4	17.6	7.5	5.0	5.0	2.5	0.0	0.0	0.0	0.0
77.5°	760.0	62.7	12.5	7.5	5.0	2.5	2.5	0.0	0.0	0.0	0.0
80°	107.9	27.6	7.5	5.0	5.0	2.5	2.5	0.0	0.0	0.0	0.0
82.5°	27.6	12.5	5.0	5.0	2.5	2.5	2.5	0.0	0.0	0.0	0.0
85°	12.5	7.5	5.0	5.0	5.0	2.5	2.5	0.0	0.0	0.0	0.0
87.5°	7.5	7.5	7.5	5.0	5.0	2.5	2.5	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)