

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: P511315

Luminaire Tested: **PRV-P-PA1D-740-U-T3-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-6)
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-T3-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8543 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

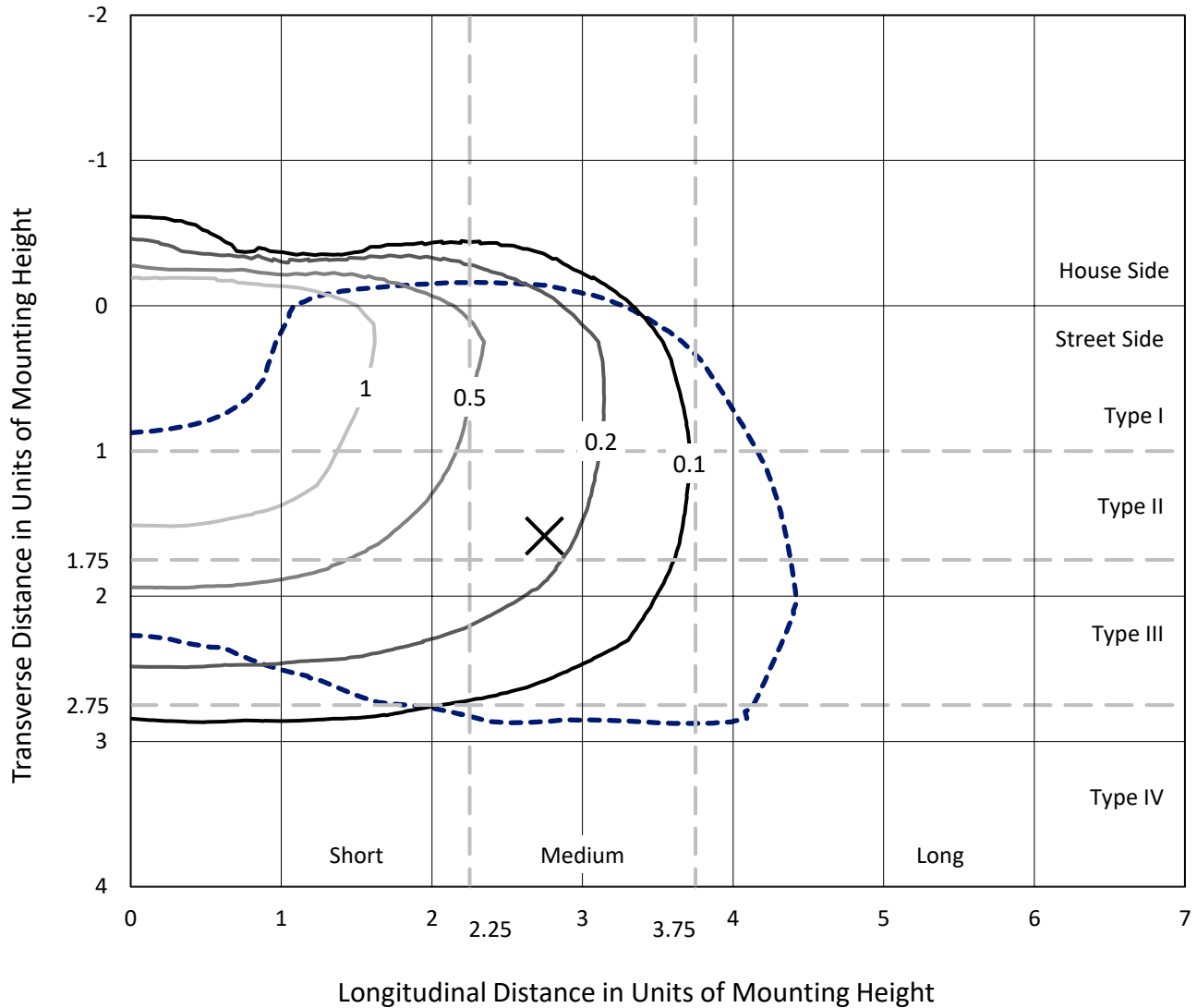
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511315
 CATALOG NUMBER: PRV-P-PA1D-740-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

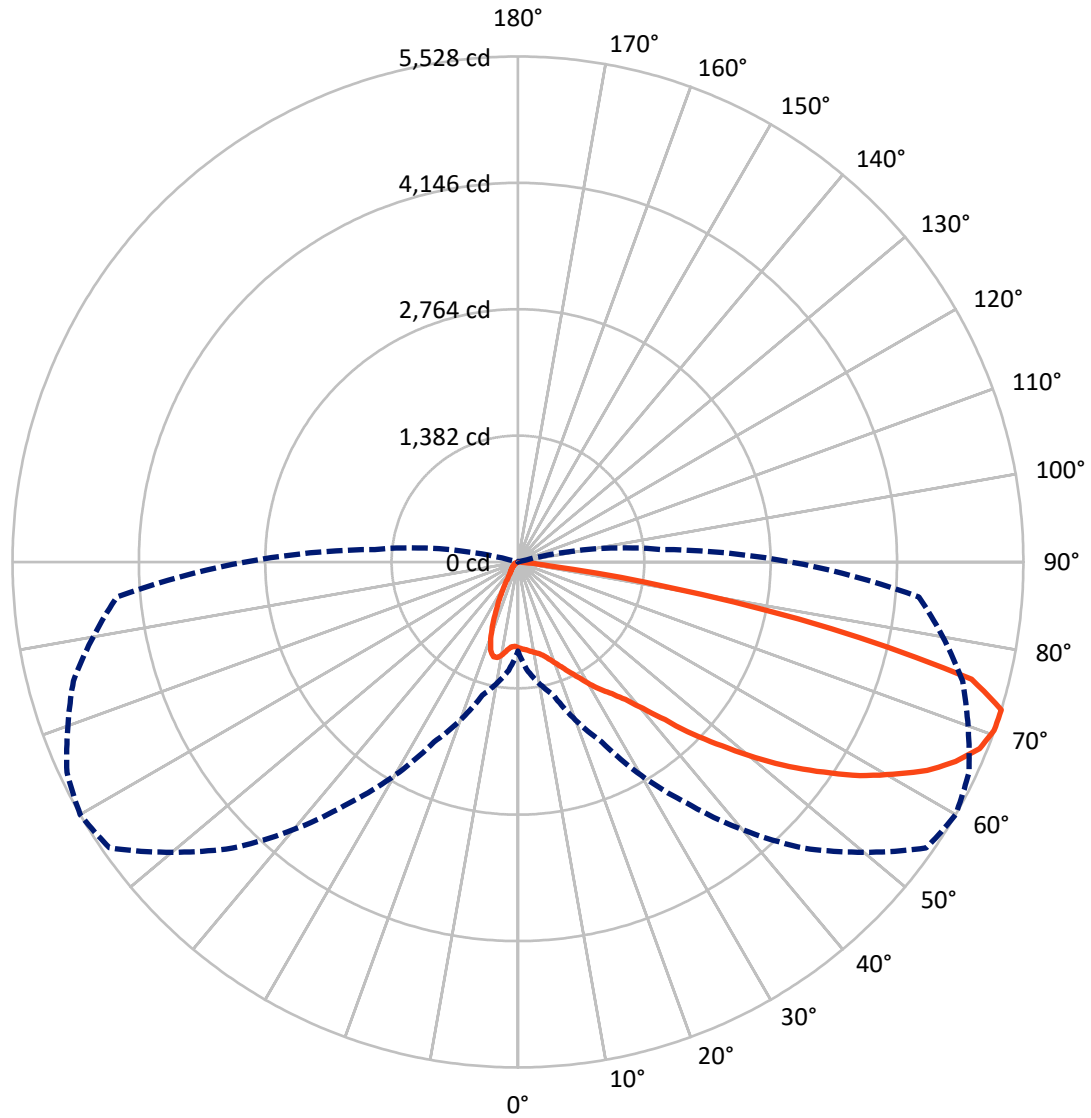
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P511315
CATALOG NUMBER: PRV-P-PA1D-740-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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 CATALOG NUMBER: PRV-P-PA1D-740-U-T3-HSS

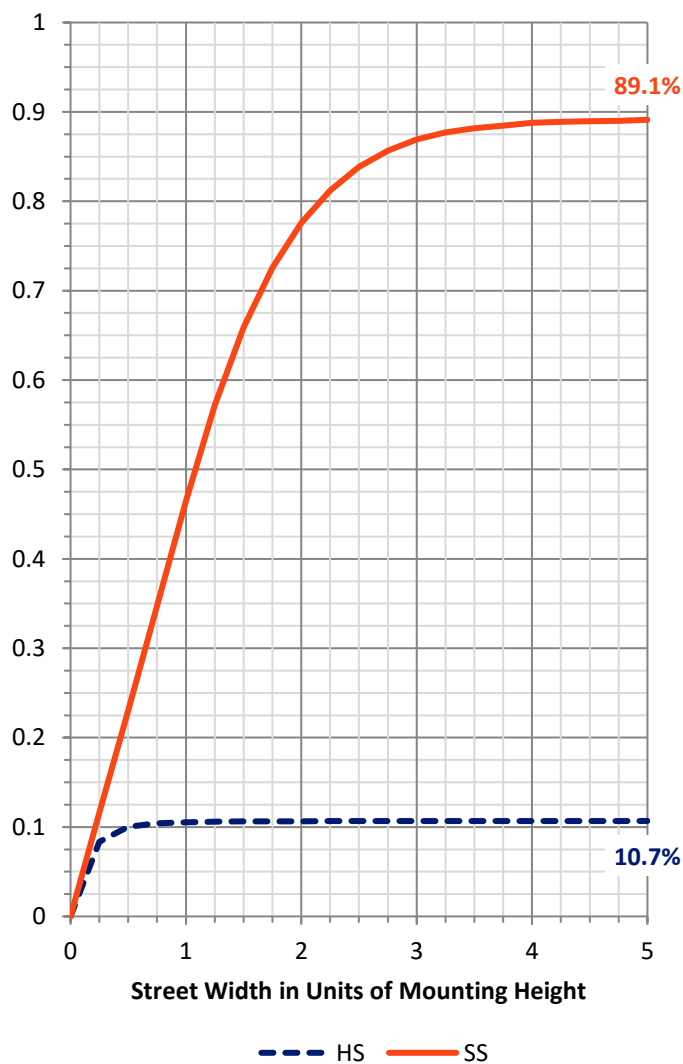
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	920.9	0.0	920.9
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	7622.0	0.0	7622.0
	% Fixture	89.2	0.0	89.2
Total	Lumens	8543.0	0.0	8543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.1
10°-20°	248.2	2.9
20°-30°	409.7	4.8
30°-40°	723.2	8.5
40°-50°	1269.2	14.9
50°-60°	1989.6	23.3
60°-70°	2344.7	27.4
70°-80°	1400.8	16.4
80°-90°	66.8	0.8
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°	8543.0	100.0
0°-180°	8543.0	100.0

Coefficient of Utilization



REPORT NUMBER: P511315

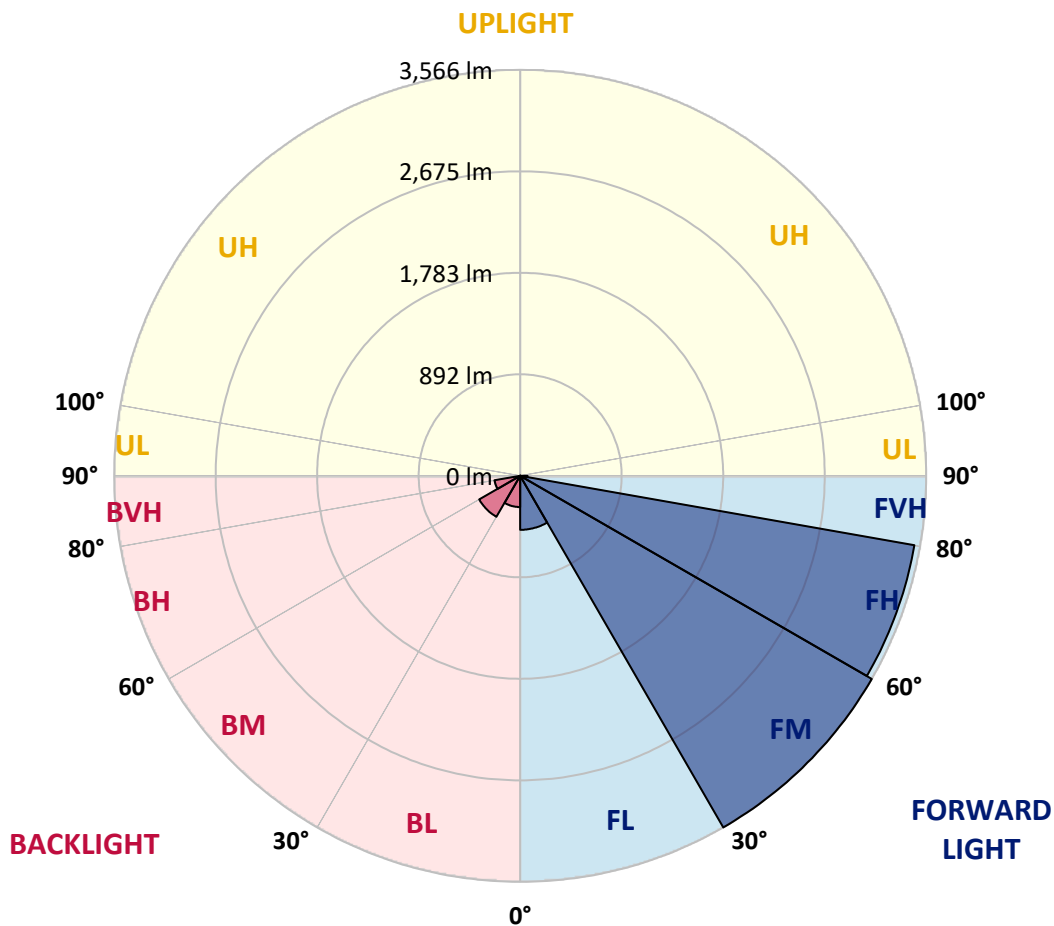
CATALOG NUMBER: PRV-P-PA1D-740-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.2	5.6			
FM (30°-60°)	3566.3	41.7			
FH (60°-80°)	3516.3	41.2			G2/5000
FVH (80°-90°)	65.3	0.8			G1/100
BL (0°-30°)	274.5	3.2	B1/500		
BM (30°-60°)	415.7	4.9	B1/1000		
BH (60°-80°)	229.2	2.7	B1/500		G1/500
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: B1-U0-G2

Type IV Medium





REPORT NUMBER: P511315

CATALOG NUMBER: PRV-P-PA1D-740-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	938.1	938.1	938.1	938.1	938.1	938.1	938.1	938.1	938.1	938.1	938.1
2.5°	963.2	965.7	955.6	965.7	960.7	960.7	958.1	953.1	948.1	945.6	945.6
5°	948.1	948.1	940.6	958.1	963.2	965.7	968.2	965.7	968.2	955.6	955.6
7.5°	875.4	877.9	885.4	908.0	930.6	958.1	985.7	985.7	990.8	993.3	988.2
10°	852.8	852.8	852.8	882.9	903.0	950.6	988.2	1005.8	1018.3	1028.4	1040.9
12.5°	845.3	842.8	852.8	887.9	918.0	958.1	1010.8	1028.4	1048.4	1078.5	1096.1
15°	845.3	845.3	847.8	887.9	930.6	985.7	1038.4	1063.5	1086.1	1128.7	1153.8
17.5°	867.8	865.3	867.8	900.5	940.6	1013.3	1093.6	1118.7	1143.8	1183.9	1221.5
20°	890.4	887.9	885.4	920.5	960.7	1045.9	1143.8	1181.4	1224.0	1254.1	1286.7
22.5°	930.6	928.0	918.0	940.6	985.7	1086.1	1206.5	1256.6	1299.3	1329.4	1357.0
25°	1068.5	1061.0	1025.9	1000.8	1033.4	1126.2	1271.7	1341.9	1394.6	1417.2	1432.2
27.5°	1311.8	1321.8	1244.1	1143.8	1101.1	1186.4	1349.4	1434.7	1492.4	1510.0	1492.4
30°	1650.4	1635.4	1540.1	1404.6	1259.1	1261.6	1452.3	1552.6	1620.3	1627.8	1582.7
32.5°	1948.9	1946.4	1846.1	1698.1	1479.9	1394.6	1537.5	1663.0	1743.2	1743.2	1668.0
35°	2209.8	2197.2	2104.4	1979.0	1770.8	1587.7	1647.9	1768.3	1871.1	1866.1	1775.8
37.5°	2415.4	2410.4	2355.2	2239.9	2066.8	1843.6	1793.4	1908.8	2044.2	2036.7	1926.3
40°	2633.6	2638.7	2621.1	2505.7	2325.1	2147.0	2026.7	2106.9	2239.9	2249.9	2134.5
42.5°	2909.5	2917.1	2882.0	2771.6	2611.1	2455.6	2345.2	2357.7	2485.7	2500.7	2337.7
45°	3245.7	3243.1	3203.0	3097.7	2942.2	2791.7	2708.9	2688.8	2749.0	2784.1	2618.6
47.5°	3504.0	3509.0	3511.5	3473.9	3315.9	3210.5	3077.6	3004.9	3072.6	3092.7	2897.0
50°	3709.7	3782.4	3754.8	3792.4	3719.7	3657.0	3446.3	3363.5	3413.7	3438.8	3218.1
52.5°	3857.7	3915.4	3945.4	4058.3	4083.4	4138.6	3817.5	3717.2	3729.7	3744.8	3509.0
55°	3807.5	3842.6	4010.7	4211.3	4422.0	4600.1	4148.6	4058.3	4055.8	4060.8	3867.7
57.5°	3659.5	3712.2	4000.6	4254.0	4657.8	4918.6	4509.8	4409.5	4409.5	4334.2	4236.4
60°	3481.4	3514.0	3870.2	4233.9	4785.7	5119.3	4795.7	4713.0	4710.5	4607.6	4635.2
62.5°	3263.2	3280.8	3589.3	4108.5	4733.0	5104.3	5076.7	5024.0	4998.9	4835.9	4948.7
65°	2982.3	2984.8	3248.2	3870.2	4590.1	5076.7	5257.3	5259.8	5242.2	5041.5	5222.1
67.5°	2528.3	2578.5	2804.2	3468.9	4329.2	5016.5	5370.1	5445.4	5417.8	5169.5	5272.3
70°	1938.9	2001.6	2300.0	2879.5	3927.9	4863.5	5470.5	5523.1	5480.5	5187.0	5089.2
72.5°	975.7	1191.4	1510.0	2169.6	3218.1	4427.0	5452.9	5528.1	5442.9	5034.0	4401.9
75°	160.5	178.1	406.3	1000.8	2019.1	3549.1	5051.6	5124.3	4991.4	4198.8	2849.4
77.5°	100.3	107.9	165.5	421.4	687.3	1718.1	3619.4	3501.5	3496.5	2513.2	1214.0
80°	60.2	62.7	87.8	190.6	368.7	363.7	1755.8	1673.0	1504.9	647.1	248.3
82.5°	35.1	37.6	65.2	97.8	203.2	122.9	268.4	348.6	373.7	130.4	50.2
85°	2.5	2.5	20.1	45.1	47.7	27.6	32.6	55.2	50.2	62.7	22.6
87.5°	0.0	0.0	0.0	2.5	5.0	5.0	7.5	7.5	7.5	10.0	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: P511315

CATALOG NUMBER: PRV-P-PA1D-740-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	938.1	938.1	938.1	938.1	938.1	938.1	938.1	938.1	938.1	938.1	938.1
2.5°	938.1	943.1	930.6	928.0	918.0	920.5	923.0	920.5	920.5	923.0	925.5
5°	950.6	948.1	938.1	935.6	928.0	933.1	935.6	938.1	943.1	940.6	940.6
7.5°	980.7	983.2	973.2	973.2	968.2	968.2	963.2	958.1	955.6	950.6	960.7
10°	1038.4	1040.9	1033.4	1030.9	1020.9	998.3	953.1	897.9	840.3	817.7	825.2
12.5°	1091.1	1106.1	1096.1	1088.6	1048.4	953.1	792.6	652.1	569.4	519.2	524.2
15°	1153.8	1166.3	1161.3	1133.7	1008.3	765.0	534.3	381.3	321.1	288.4	298.5
17.5°	1219.0	1231.5	1221.5	1153.8	877.9	524.2	311.0	233.3	218.2	210.7	213.2
20°	1289.2	1301.8	1279.2	1106.1	669.7	328.6	210.7	200.7	198.2	198.2	198.2
22.5°	1359.5	1372.0	1336.9	998.3	461.5	215.7	193.1	188.1	185.6	180.6	183.1
25°	1419.7	1447.3	1377.0	840.3	280.9	188.1	180.6	175.6	168.1	163.0	165.5
27.5°	1489.9	1515.0	1364.5	647.1	198.2	175.6	165.5	155.5	148.0	143.0	143.0
30°	1570.2	1595.2	1304.3	423.9	173.1	160.5	148.0	135.4	122.9	117.9	117.9
32.5°	1652.9	1673.0	1206.5	258.3	155.5	143.0	127.9	110.4	97.8	90.3	90.3
35°	1760.8	1763.3	1088.6	173.1	138.0	122.9	105.3	87.8	72.7	67.7	67.7
37.5°	1903.7	1886.2	943.1	143.0	120.4	102.8	82.8	65.2	55.2	50.2	52.7
40°	2096.9	2016.6	772.5	125.4	105.3	85.3	62.7	47.7	40.1	40.1	40.1
42.5°	2300.0	2149.6	584.4	115.4	92.8	67.7	45.1	35.1	32.6	32.6	32.6
45°	2540.8	2277.5	381.3	102.8	77.8	52.7	32.6	25.1	25.1	27.6	27.6
47.5°	2781.6	2390.3	228.2	90.3	65.2	40.1	25.1	20.1	20.1	22.6	25.1
50°	3052.5	2488.2	153.0	80.3	55.2	30.1	20.1	17.6	17.6	22.6	22.6
52.5°	3325.9	2548.4	120.4	67.7	42.6	25.1	17.6	15.0	15.0	20.1	20.1
55°	3556.7	2598.5	102.8	57.7	32.6	20.1	17.6	15.0	15.0	17.6	20.1
57.5°	3777.4	2616.1	87.8	47.7	25.1	20.1	15.0	12.5	12.5	17.6	17.6
60°	3953.0	2603.5	75.2	37.6	22.6	17.6	12.5	10.0	10.0	15.0	17.6
62.5°	4073.4	2560.9	57.7	27.6	20.1	17.6	12.5	7.5	10.0	12.5	15.0
65°	4136.1	2470.6	42.6	22.6	17.6	15.0	10.0	7.5	7.5	10.0	10.0
67.5°	4020.7	2327.6	32.6	17.6	15.0	15.0	10.0	5.0	5.0	7.5	7.5
70°	3697.1	2114.4	27.6	15.0	12.5	12.5	7.5	5.0	2.5	5.0	5.0
72.5°	2982.3	1570.2	22.6	12.5	10.0	10.0	7.5	2.5	2.5	2.5	5.0
75°	1823.5	514.2	15.0	10.0	7.5	7.5	5.0	2.5	2.5	2.5	2.5
77.5°	712.3	127.9	10.0	5.0	5.0	5.0	2.5	2.5	0.0	2.5	2.5
80°	132.9	25.1	5.0	5.0	2.5	2.5	2.5	0.0	0.0	2.5	2.5
82.5°	32.6	7.5	5.0	5.0	2.5	2.5	2.5	0.0	0.0	0.0	2.5
85°	10.0	5.0	5.0	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	5.0	5.0	2.5	2.5	2.5	0.0	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)