

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: P510987

Luminaire Tested: **PRV-P-C20-D-UNV-T2-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C20-D-UNV-T2-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1300mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8941 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

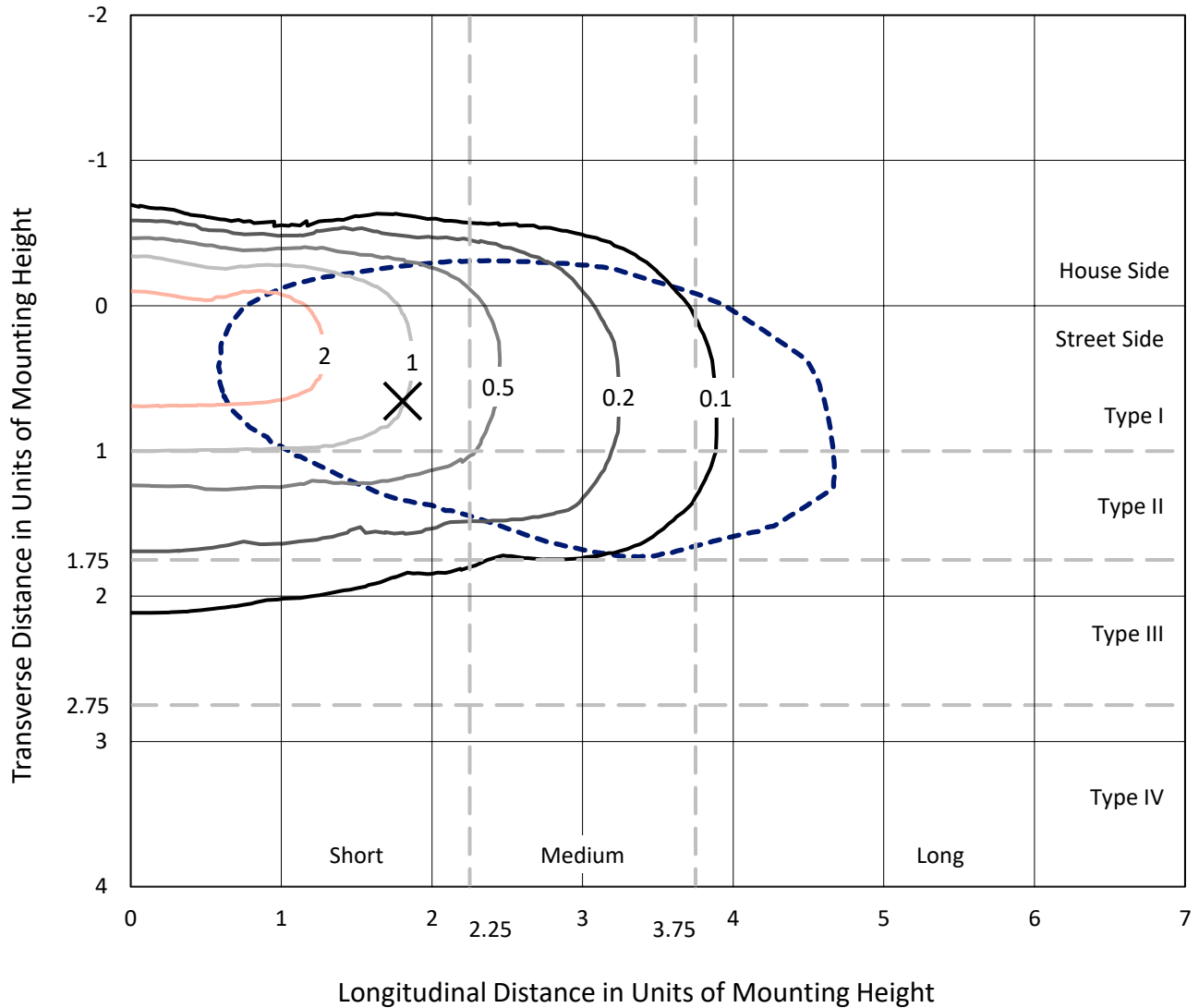
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510987
 CATALOG NUMBER: PRV-P-C20-D-UNV-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

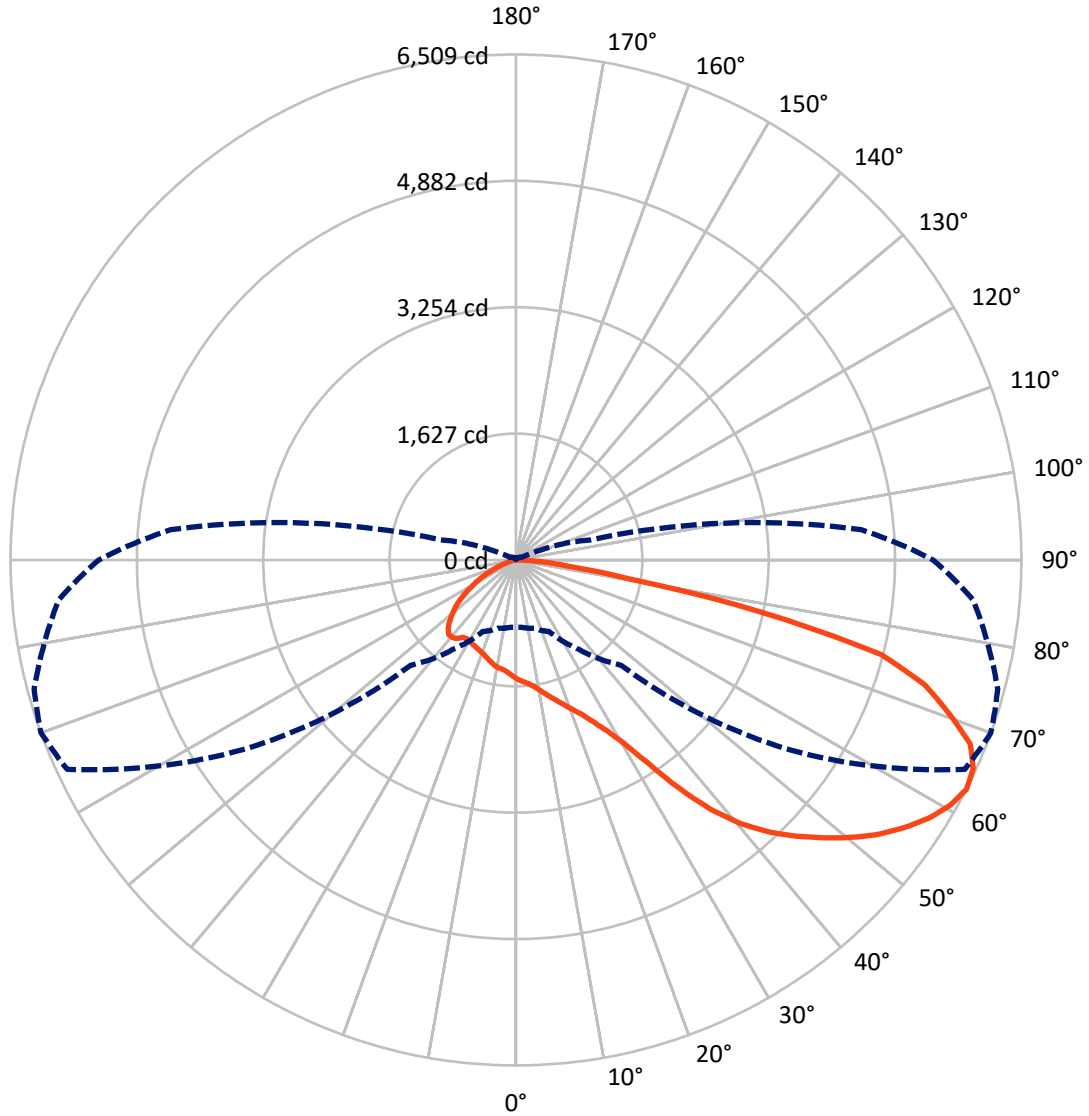
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

REPORT NUMBER: P510987
CATALOG NUMBER: PRV-P-C20-D-UNV-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P510987

CATALOG NUMBER: PRV-P-C20-D-UNV-T2-HSS

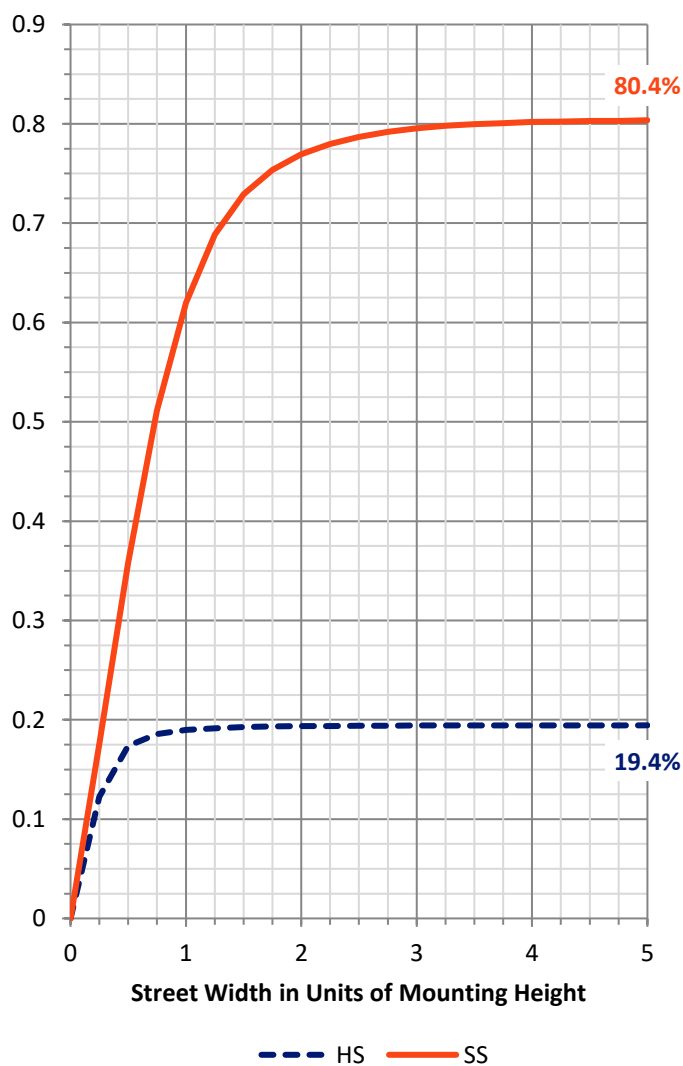
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1758.9	0.0	1758.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	7182.2	0.0	7182.2
	% Fixture	80.3	0.0	80.3
Total	Lumens	8941.0	0.0	8941.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	1.6
10°-20°	438.4	4.9
20°-30°	741.2	8.3
30°-40°	1136.3	12.7
40°-50°	1584.5	17.7
50°-60°	1845.7	20.6
60°-70°	1813.1	20.3
70°-80°	1090.8	12.2
80°-90°	145.4	1.6
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°	8941.0	100.0
0°-180°	8941.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510987

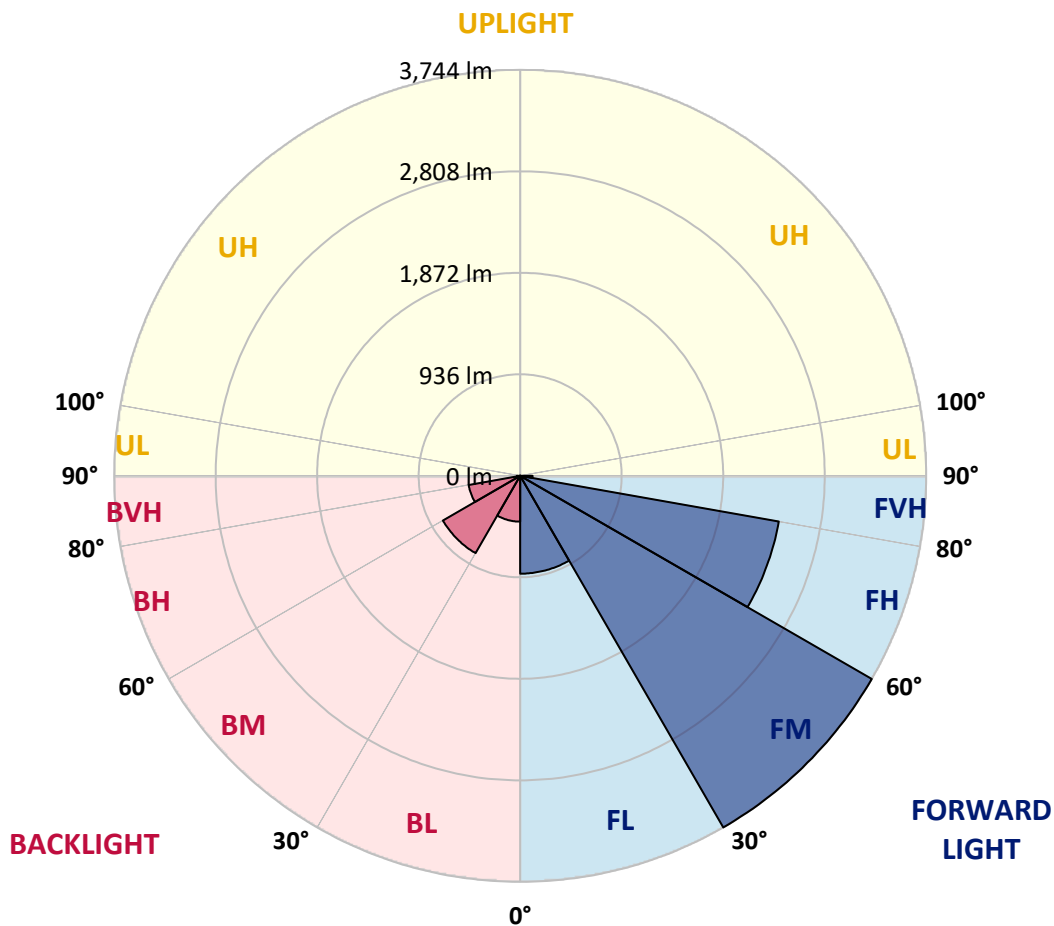
CATALOG NUMBER: PRV-P-C20-D-UNV-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	902.5	10.1			
FM (30°-60°)	3743.5	41.9			
FH (60°-80°)	2421.4	27.1			G2/5000
FVH (80°-90°)	114.7	1.3			G2/225
BL (0°-30°)	422.8	4.7	B1/500		
BM (30°-60°)	822.9	9.2	B1/1000		
BH (60°-80°)	482.6	5.4	B1/500		G1/500
BVH (80°-90°)	30.6	0.3			G1/100
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 Short





REPORT NUMBER: P510987

CATALOG NUMBER: PRV-P-C20-D-UNV-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8
2.5°	1638.7	1638.7	1632.7	1624.7	1616.7	1606.7	1590.8	1574.8	1564.8	1556.8	1536.8
5°	1752.6	1748.6	1736.6	1714.7	1688.7	1666.7	1640.7	1608.7	1594.8	1576.8	1540.8
7.5°	1846.6	1844.6	1830.6	1816.6	1794.6	1764.6	1716.7	1660.7	1642.7	1618.7	1560.8
10°	1936.5	1936.5	1926.5	1910.5	1886.5	1858.5	1814.6	1752.6	1708.7	1670.7	1592.8
12.5°	2014.4	2014.4	2000.4	1986.5	1964.5	1934.5	1892.5	1826.6	1780.6	1738.6	1626.7
15°	2098.4	2092.4	2078.4	2070.4	2038.4	2012.4	1974.5	1904.5	1862.5	1806.6	1666.7
17.5°	2182.3	2174.3	2156.3	2148.3	2122.3	2092.4	2060.4	1998.4	1948.5	1884.5	1722.7
20°	2246.2	2242.3	2230.3	2228.3	2214.3	2178.3	2156.3	2094.4	2046.4	1974.5	1784.6
22.5°	2320.2	2318.2	2312.2	2302.2	2306.2	2296.2	2266.2	2212.3	2156.3	2090.4	1872.5
25°	2352.2	2354.2	2366.2	2390.1	2408.1	2406.1	2388.1	2348.2	2304.2	2226.3	1980.5
27.5°	2370.2	2370.2	2390.1	2452.1	2528.0	2534.0	2526.0	2520.0	2484.1	2398.1	2126.3
30°	2374.1	2376.1	2416.1	2500.0	2622.0	2675.9	2695.9	2737.9	2729.9	2673.9	2350.2
32.5°	2340.2	2344.2	2400.1	2522.0	2689.9	2809.8	2875.8	3063.6	3113.6	3117.6	2821.8
35°	2220.3	2224.3	2320.2	2500.0	2741.9	2943.7	3105.6	3443.3	3597.2	3629.2	3273.4
37.5°	2102.4	2118.3	2230.3	2458.1	2775.8	3071.6	3361.4	3897.0	4072.8	4050.8	3633.2
40°	2006.4	2018.4	2132.3	2388.1	2777.8	3193.5	3633.2	4292.7	4464.5	4396.6	3950.9
42.5°	1894.5	1904.5	2012.4	2296.2	2749.9	3295.4	3881.0	4668.4	4788.3	4718.3	4246.7
45°	1764.6	1776.6	1886.5	2158.3	2691.9	3361.4	4102.8	4960.1	5074.0	5016.1	4516.5
47.5°	1652.7	1662.7	1764.6	2014.4	2580.0	3379.4	4320.6	5273.9	5345.8	5271.9	4758.3
50°	1295.0	1354.9	1624.7	1886.5	2404.1	3341.4	4500.5	5541.7	5613.6	5543.7	4982.1
52.5°	1139.1	1145.1	1255.0	1750.6	2188.3	3231.5	4638.4	5775.5	5865.4	5773.5	5225.9
55°	1063.2	1069.2	1125.1	1522.8	2006.4	3047.6	4730.3	6011.3	6077.3	5971.3	5441.8
57.5°	997.2	1009.2	1067.2	1211.1	1822.6	2715.9	4730.3	6207.2	6271.1	6143.2	5619.6
60°	923.3	931.3	999.2	1103.1	1618.7	2272.2	4558.4	6355.0	6421.0	6309.1	5789.5
62.5°	863.3	871.3	911.3	1017.2	1398.9	1916.5	4232.7	6377.0	6508.9	6423.0	5911.4
65°	789.4	795.4	841.3	933.3	1253.0	1670.7	3797.0	6261.1	6471.0	6455.0	5979.3
67.5°	697.5	709.4	755.4	837.3	1083.2	1472.9	3117.6	6123.2	6307.1	6319.1	5833.4
70°	583.5	591.5	639.5	725.4	907.3	1241.0	2314.2	5767.5	5913.4	6009.3	5517.7
72.5°	457.6	465.6	515.6	595.5	733.4	1031.2	1700.7	5205.9	5507.7	5569.7	4930.2
75°	65.9	83.9	165.9	323.7	587.5	799.4	1117.1	3998.9	4856.2	4898.2	4170.7
77.5°	40.0	42.0	64.0	99.9	175.9	535.6	743.4	2046.4	3229.5	3787.0	3261.5
80°	30.0	32.0	50.0	77.9	113.9	151.9	359.7	1125.1	1504.8	2120.3	2160.3
82.5°	16.0	18.0	34.0	56.0	69.9	65.9	151.9	491.6	695.5	887.3	1087.2
85°	10.0	10.0	18.0	30.0	28.0	34.0	69.9	255.8	393.7	503.6	543.6
87.5°	4.0	4.0	6.0	10.0	10.0	8.0	12.0	60.0	77.9	95.9	60.0
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: P510987
 CATALOG NUMBER: PRV-P-C20-D-UNV-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8
2.5°	1526.8	1516.8	1498.8	1476.8	1458.9	1444.9	1434.9	1428.9	1418.9	1422.9	1426.9
5°	1520.8	1500.8	1462.9	1426.9	1392.9	1364.9	1339.0	1321.0	1307.0	1301.0	1299.0
7.5°	1530.8	1498.8	1442.9	1390.9	1341.0	1289.0	1259.0	1223.0	1203.1	1199.1	1195.1
10°	1550.8	1514.8	1442.9	1366.9	1291.0	1221.0	1167.1	1129.1	1097.1	1083.2	1077.2
12.5°	1570.8	1518.8	1426.9	1329.0	1229.0	1143.1	1073.2	1013.2	979.2	975.2	965.2
15°	1596.8	1530.8	1400.9	1279.0	1157.1	1051.2	975.2	921.3	883.3	877.3	875.3
17.5°	1634.7	1550.8	1384.9	1229.0	1087.2	965.2	897.3	859.3	801.4	799.4	789.4
20°	1682.7	1584.8	1380.9	1175.1	1017.2	893.3	823.4	787.4	725.4	699.5	695.5
22.5°	1750.6	1628.7	1378.9	1129.1	953.3	831.4	747.4	683.5	615.5	557.6	545.6
25°	1832.6	1682.7	1382.9	1091.1	891.3	763.4	639.5	523.6	453.6	401.7	381.7
27.5°	1936.5	1754.6	1388.9	1053.2	829.4	673.5	497.6	373.7	311.8	277.8	269.8
30°	2116.3	1856.6	1396.9	1013.2	763.4	543.6	341.7	269.8	217.8	179.9	179.9
32.5°	2488.1	2132.3	1412.9	975.2	683.5	403.7	247.8	183.9	135.9	115.9	119.9
35°	2915.7	2508.0	1486.8	923.3	575.6	267.8	167.9	111.9	85.9	89.9	93.9
37.5°	3267.5	2799.8	1662.7	871.3	433.7	187.9	101.9	77.9	77.9	79.9	93.9
40°	3559.2	3081.6	1786.6	797.4	285.8	115.9	65.9	71.9	67.9	69.9	65.9
42.5°	3853.0	3317.4	1884.5	699.5	183.9	69.9	60.0	67.9	64.0	64.0	56.0
45°	4100.8	3531.2	1934.5	557.6	103.9	58.0	56.0	64.0	62.0	60.0	52.0
47.5°	4342.6	3735.1	1958.5	385.7	65.9	52.0	52.0	58.0	58.0	50.0	46.0
50°	4568.4	3910.9	1946.5	211.8	62.0	50.0	52.0	48.0	50.0	40.0	36.0
52.5°	4786.3	4062.8	1850.6	127.9	58.0	50.0	46.0	42.0	40.0	30.0	30.0
55°	4966.1	4188.7	1674.7	99.9	58.0	48.0	42.0	36.0	32.0	24.0	26.0
57.5°	5126.0	4316.6	1436.9	91.9	60.0	46.0	38.0	32.0	26.0	20.0	18.0
60°	5279.9	4428.5	1211.1	83.9	62.0	46.0	32.0	26.0	18.0	16.0	14.0
62.5°	5373.8	4464.5	1003.2	75.9	62.0	42.0	30.0	22.0	14.0	12.0	10.0
65°	5351.8	4378.6	787.4	71.9	60.0	38.0	26.0	18.0	12.0	8.0	8.0
67.5°	5144.0	4080.8	571.6	69.9	58.0	38.0	24.0	14.0	10.0	6.0	6.0
70°	4678.3	3637.2	393.7	64.0	52.0	32.0	24.0	12.0	8.0	6.0	4.0
72.5°	4094.8	3217.5	263.8	56.0	42.0	24.0	14.0	10.0	6.0	4.0	4.0
75°	3507.3	2556.0	181.9	44.0	32.0	20.0	10.0	8.0	6.0	4.0	2.0
77.5°	2633.9	1842.6	135.9	34.0	24.0	12.0	6.0	4.0	4.0	2.0	2.0
80°	1818.6	1267.0	105.9	18.0	8.0	6.0	4.0	4.0	2.0	2.0	2.0
82.5°	973.2	675.5	65.9	12.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
85°	461.6	273.8	22.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	46.0	14.0	6.0	4.0	4.0	2.0	0.0	2.0	2.0	2.0	2.0
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)