

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: McGRAW-EDISON

Report Number: P594132

Luminaire Tested: **ISC-PA1C-730-U-T3-HSS**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594132  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/22/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: ISC-PA1C-730-U-T3-HSS  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
(1) 70 CRI, 3000K, 615mA 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: 4723 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

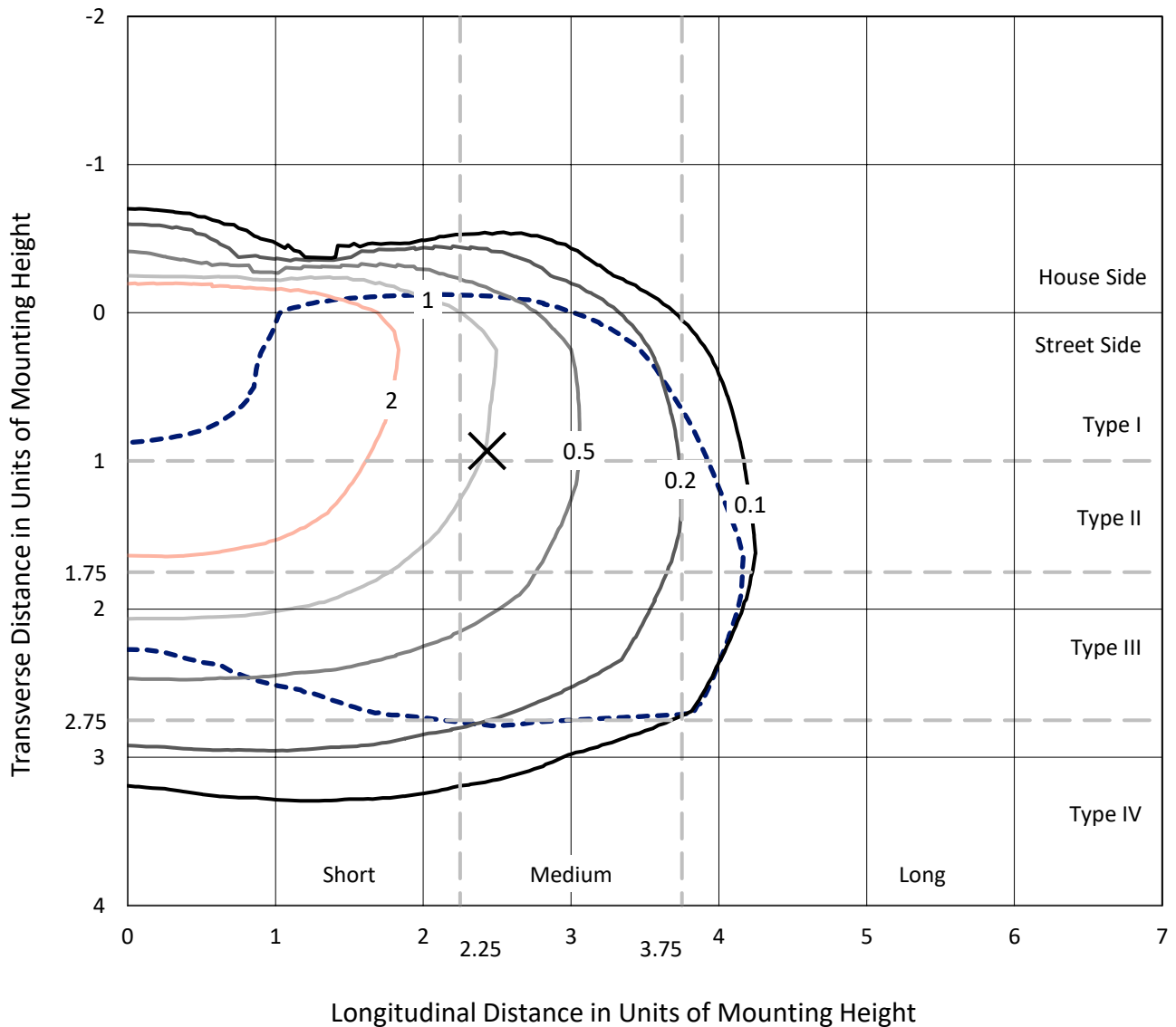
Input Watts (W): 48.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

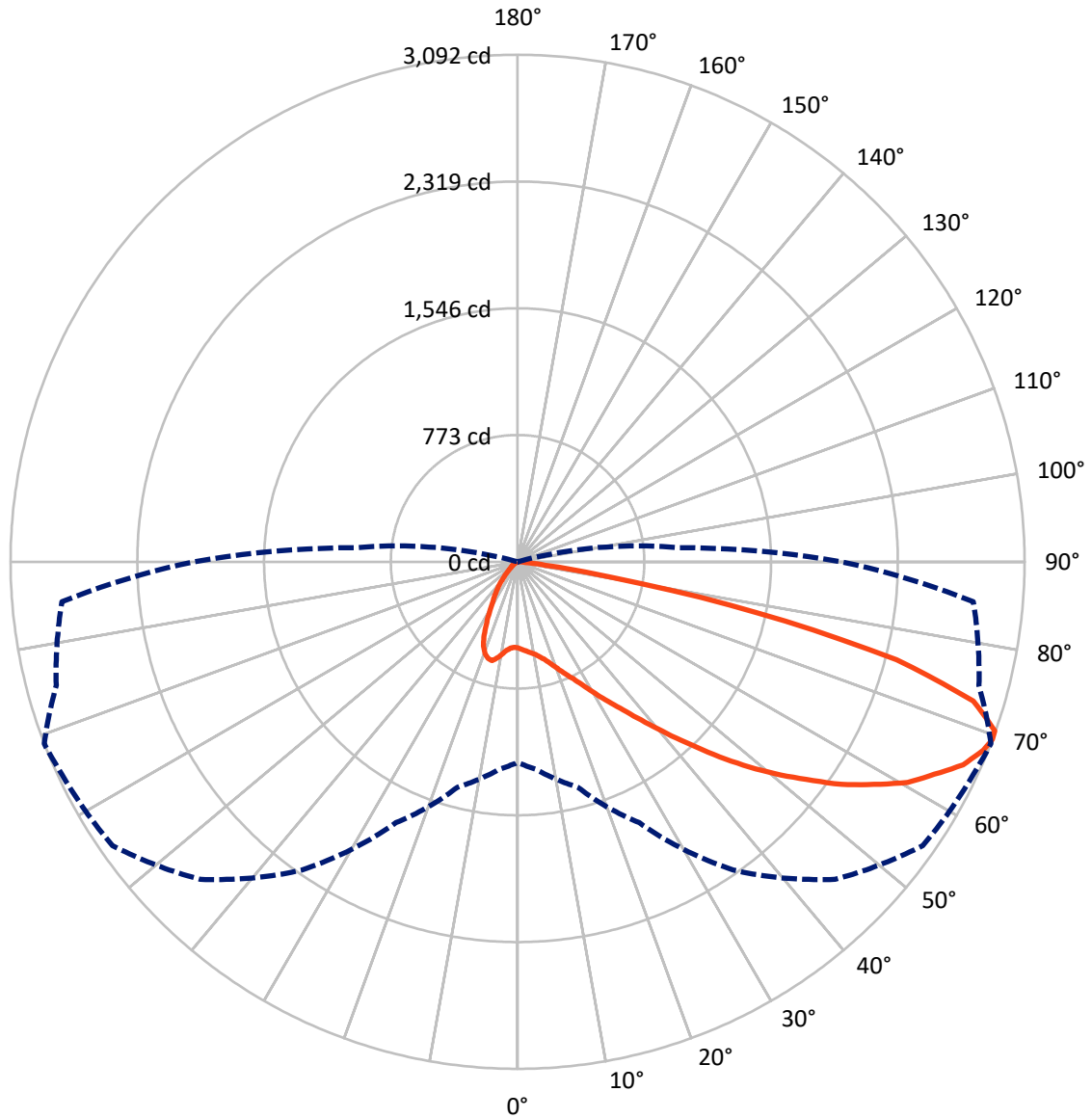
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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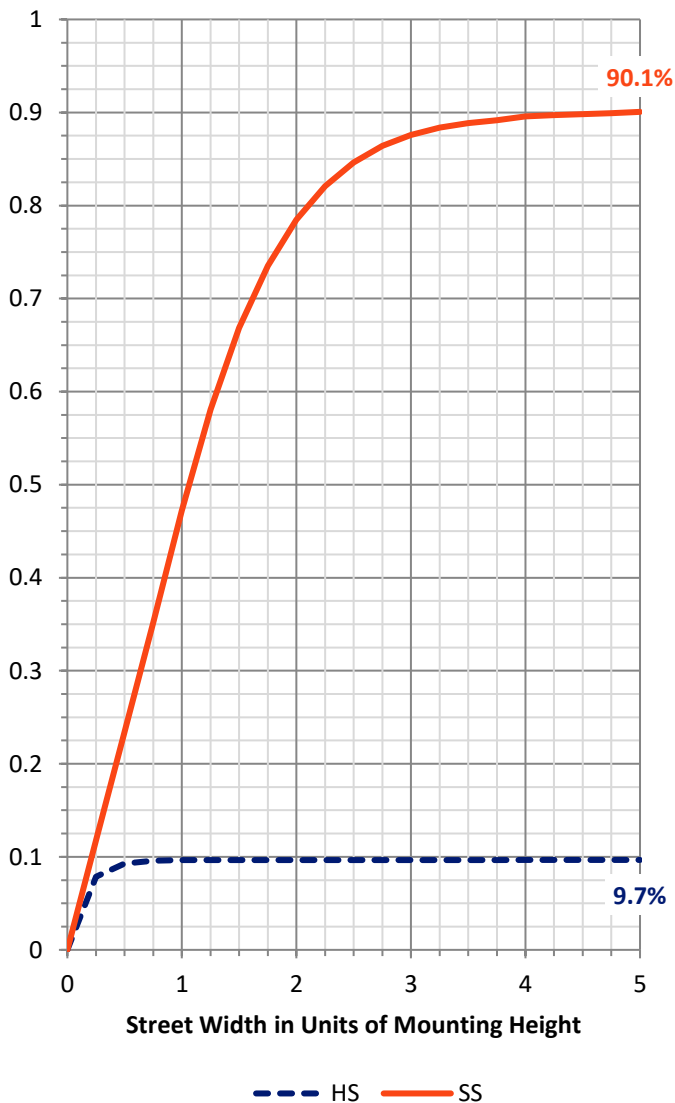
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	460.2	0.0	460.2
	% Fixture	9.7	0.0	9.7
<b>Street Side</b>	Lumens	4262.8	0.0	4262.8
	% Fixture	90.3	0.0	90.3
<b>Total</b>	Lumens	4723.0	0.0	4723.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.1	1.1
10°-20°	132.5	2.8
20°-30°	220.7	4.7
30°-40°	397.3	8.4
40°-50°	720.4	15.3
50°-60°	1125.7	23.8
60°-70°	1302.5	27.6
70°-80°	728.4	15.4
80°-90°	45.5	1.0
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°	4723.0	100.0
0°-180°	4723.0	100.0

**Coefficient of Utilization**

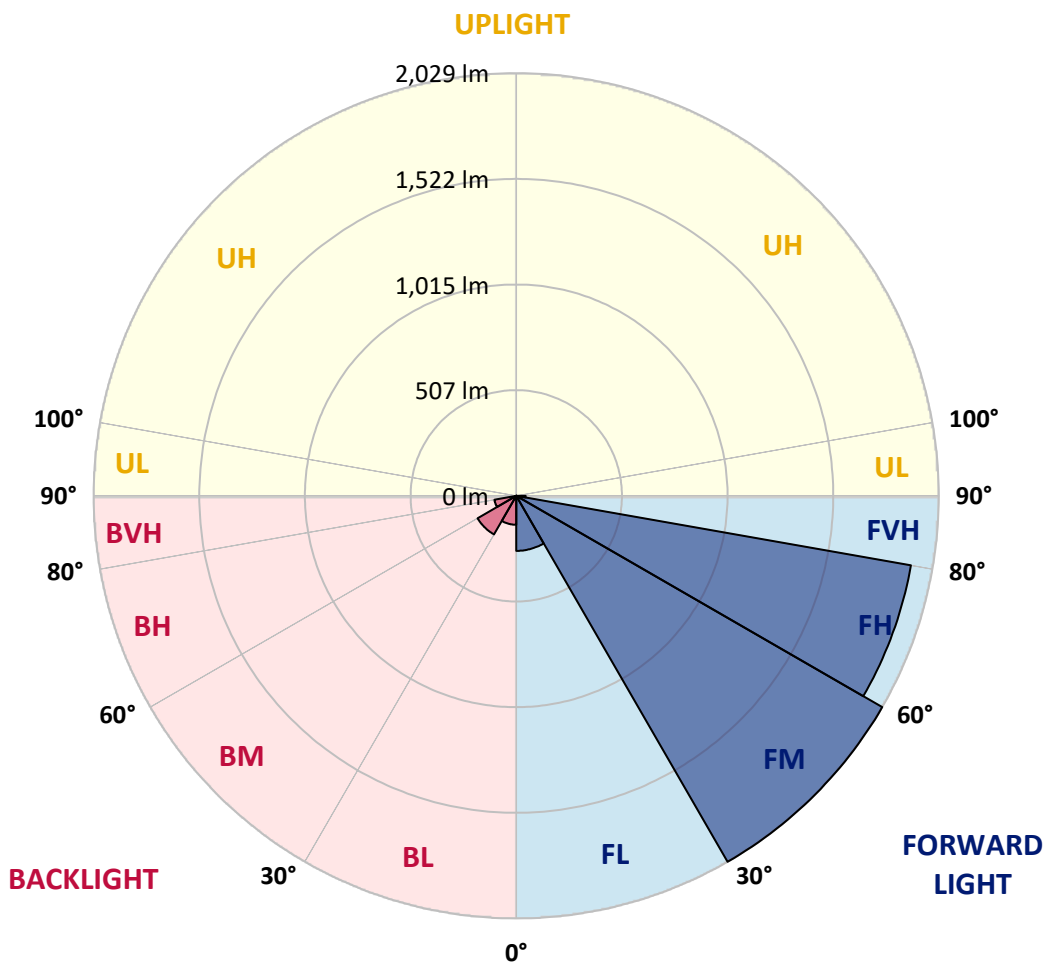


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.2	5.6			
FM (30°-60°)	2029.2	43.0			
FH (60°-80°)	1924.3	40.7			G2/5000
FVH (80°-90°)	45.1	1.0			G1/100
BL (0°-30°)	139.1	2.9	B1/500		
BM (30°-60°)	214.2	4.5	B0/220		
BH (60°-80°)	106.6	2.3	B0/110		G0/110
BVH (80°-90°)	0.3	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4
2.5°	544.2	544.2	544.2	541.1	542.7	541.1	539.5	534.8	536.4	534.8	530.1
5°	525.4	526.9	531.6	534.8	542.7	545.8	547.4	547.4	545.8	542.7	539.5
7.5°	489.2	489.2	493.9	503.3	519.1	536.4	550.5	558.4	560.0	560.0	555.2
10°	479.7	479.7	486.0	492.3	508.1	528.5	550.5	569.4	572.5	575.7	574.1
12.5°	475.0	476.6	482.9	493.9	514.3	533.2	556.8	583.6	593.0	600.9	602.4
15°	481.3	481.3	487.6	498.6	522.2	549.0	578.8	608.7	618.2	629.2	637.0
17.5°	490.8	493.9	497.0	508.1	530.1	563.1	602.4	641.8	652.8	666.9	673.2
20°	506.5	506.5	509.6	519.1	542.7	582.0	637.0	684.2	693.7	703.1	711.0
22.5°	525.4	526.9	526.9	534.8	561.5	604.0	666.9	725.1	740.8	745.6	748.7
25°	582.0	578.8	567.8	563.1	583.6	629.2	703.1	773.9	791.2	795.9	789.6
27.5°	700.0	687.4	657.5	626.0	622.9	668.5	751.9	835.2	854.1	855.7	833.7
30°	847.8	849.4	800.6	733.0	687.4	711.0	805.3	912.3	931.2	923.3	888.7
32.5°	1030.3	1022.4	986.2	888.7	797.5	777.0	863.5	992.5	1014.5	1002.0	956.3
35°	1186.0	1190.7	1146.7	1060.2	945.3	879.3	934.3	1082.2	1108.9	1086.9	1030.3
37.5°	1316.5	1322.8	1296.1	1225.3	1123.1	1019.3	1027.1	1187.6	1223.7	1201.7	1130.9
40°	1461.2	1466.0	1455.0	1377.9	1286.7	1186.0	1151.4	1308.7	1357.4	1327.6	1253.6
42.5°	1620.1	1637.4	1618.5	1557.2	1462.8	1376.3	1324.4	1456.5	1505.3	1486.4	1387.3
45°	1837.2	1838.8	1816.7	1755.4	1657.9	1587.1	1524.2	1613.8	1676.7	1653.1	1536.8
47.5°	1997.6	2008.6	1996.0	1953.6	1874.9	1827.7	1741.2	1786.8	1852.9	1823.0	1690.9
50°	2120.3	2150.2	2139.2	2151.8	2112.4	2092.0	1959.9	1966.2	2030.6	2005.5	1848.2
52.5°	2187.9	2225.7	2228.8	2293.3	2326.4	2376.7	2172.2	2162.8	2203.7	2181.7	2008.6
55°	2178.5	2187.9	2266.6	2384.6	2513.5	2628.4	2379.8	2340.5	2397.1	2335.8	2178.5
57.5°	2087.3	2110.9	2249.3	2395.6	2623.6	2790.4	2559.2	2515.1	2562.3	2480.5	2353.1
60°	1956.7	1991.3	2169.1	2378.3	2688.1	2887.9	2733.7	2689.7	2732.2	2633.1	2551.3
62.5°	1838.8	1854.5	2018.1	2305.9	2650.4	2883.2	2869.0	2828.1	2853.3	2749.5	2721.2
65°	1670.4	1676.7	1838.8	2175.4	2567.0	2851.7	2942.9	2958.7	2985.4	2847.0	2842.3
67.5°	1410.9	1425.1	1585.5	1947.3	2428.6	2790.4	3001.1	3032.6	3064.1	2898.9	2864.3
69°	1223.7	1269.4	1423.5	1755.4	2294.9	2738.5	3016.9	3067.2	3092.4	2913.1	2790.4
70°	1071.2	1110.5	1288.2	1607.5	2176.9	2680.3	3027.9	3062.5	3087.7	2883.2	2669.3
72.5°	537.9	588.3	832.1	1173.4	1730.2	2414.4	2971.3	2933.5	2906.8	2652.0	2159.6
75°	207.6	215.5	357.1	668.5	1082.2	1772.7	2537.1	2466.4	2387.7	2011.8	1280.4
77.5°	114.8	113.3	155.7	295.7	460.9	866.7	1716.1	1602.8	1494.3	1080.6	519.1
80°	48.8	51.9	67.6	141.6	242.2	300.4	833.7	740.8	589.8	342.9	124.3
82.5°	29.9	31.5	47.2	86.5	168.3	114.8	270.5	231.2	169.9	92.8	29.9
85°	9.4	11.0	33.0	58.2	81.8	47.2	61.3	53.5	47.2	39.3	9.4
87.5°	1.6	1.6	12.6	31.5	22.0	7.9	6.3	11.0	17.3	18.9	3.1
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°	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4
2.5°	528.5	525.4	522.2	520.6	520.6	517.5	515.9	514.3	514.3	512.8	512.8
5°	534.8	531.6	528.5	526.9	523.8	522.2	522.2	522.2	520.6	522.2	523.8
7.5°	550.5	545.8	544.2	542.7	542.7	537.9	530.1	509.6	489.2	482.9	476.6
10°	572.5	571.0	571.0	571.0	560.0	519.1	462.4	412.1	385.4	363.3	363.3
12.5°	604.0	604.0	602.4	597.7	541.1	442.0	353.9	278.4	234.4	209.2	212.3
15°	638.6	637.0	640.2	610.3	476.6	341.3	213.9	151.0	127.4	124.3	124.3
17.5°	674.8	677.9	674.8	577.3	391.7	210.8	127.4	114.8	111.7	111.7	111.7
20°	712.5	709.4	704.7	520.6	284.7	132.1	110.1	107.0	103.8	102.2	102.2
22.5°	750.3	747.1	715.7	448.3	177.7	108.5	103.8	97.5	92.8	91.2	91.2
25°	786.5	786.5	695.2	355.5	121.1	102.2	94.4	88.1	83.4	78.6	78.6
27.5°	832.1	835.2	662.2	248.5	102.2	94.4	84.9	75.5	69.2	66.1	66.1
30°	884.0	888.7	608.7	162.0	92.8	83.4	73.9	62.9	53.5	50.3	48.8
32.5°	945.3	950.0	547.4	107.0	83.4	72.4	61.3	47.2	37.8	36.2	34.6
35°	1024.0	1013.0	473.5	84.9	72.4	61.3	47.2	33.0	26.7	25.2	25.2
37.5°	1121.5	1097.9	388.5	73.9	61.3	48.8	34.6	22.0	17.3	17.3	15.7
40°	1233.2	1167.1	300.4	66.1	51.9	37.8	22.0	14.2	11.0	11.0	11.0
42.5°	1355.9	1225.3	213.9	58.2	42.5	26.7	14.2	7.9	6.3	6.3	6.3
45°	1497.4	1278.8	146.3	50.3	36.2	18.9	7.9	3.1	3.1	3.1	3.1
47.5°	1639.0	1313.4	97.5	44.0	26.7	11.0	4.7	1.6	1.6	1.6	1.6
50°	1782.1	1340.1	75.5	37.8	18.9	6.3	1.6	0.0	0.0	0.0	0.0
52.5°	1909.5	1359.0	61.3	31.5	12.6	4.7	1.6	0.0	0.0	0.0	0.0
55°	2019.6	1360.6	53.5	25.2	9.4	3.1	0.0	0.0	0.0	0.0	0.0
57.5°	2131.3	1348.0	45.6	18.9	6.3	1.6	0.0	0.0	0.0	0.0	0.0
60°	2199.0	1315.0	36.2	14.2	4.7	1.6	0.0	0.0	0.0	0.0	0.0
62.5°	2239.8	1259.9	28.3	9.4	3.1	1.6	0.0	0.0	0.0	0.0	0.0
65°	2216.3	1190.7	20.4	6.3	3.1	1.6	0.0	0.0	0.0	0.0	0.0
67.5°	2106.1	1083.7	14.2	4.7	1.6	1.6	0.0	0.0	0.0	0.0	0.0
69°	1975.6	986.2	12.6	3.1	1.6	1.6	0.0	0.0	0.0	0.0	0.0
70°	1860.8	910.7	11.0	3.1	1.6	1.6	0.0	0.0	0.0	0.0	0.0
72.5°	1385.7	586.7	9.4	3.1	1.6	1.6	0.0	0.0	0.0	0.0	0.0
75°	778.6	196.6	6.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	292.6	50.3	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	64.5	12.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	0.0	0.0	0.0	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)