

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: P595125

Luminaire Tested: **IST-PA1C-730-U-T4W**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: IST-PA1C-730-U-T4W
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6032 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

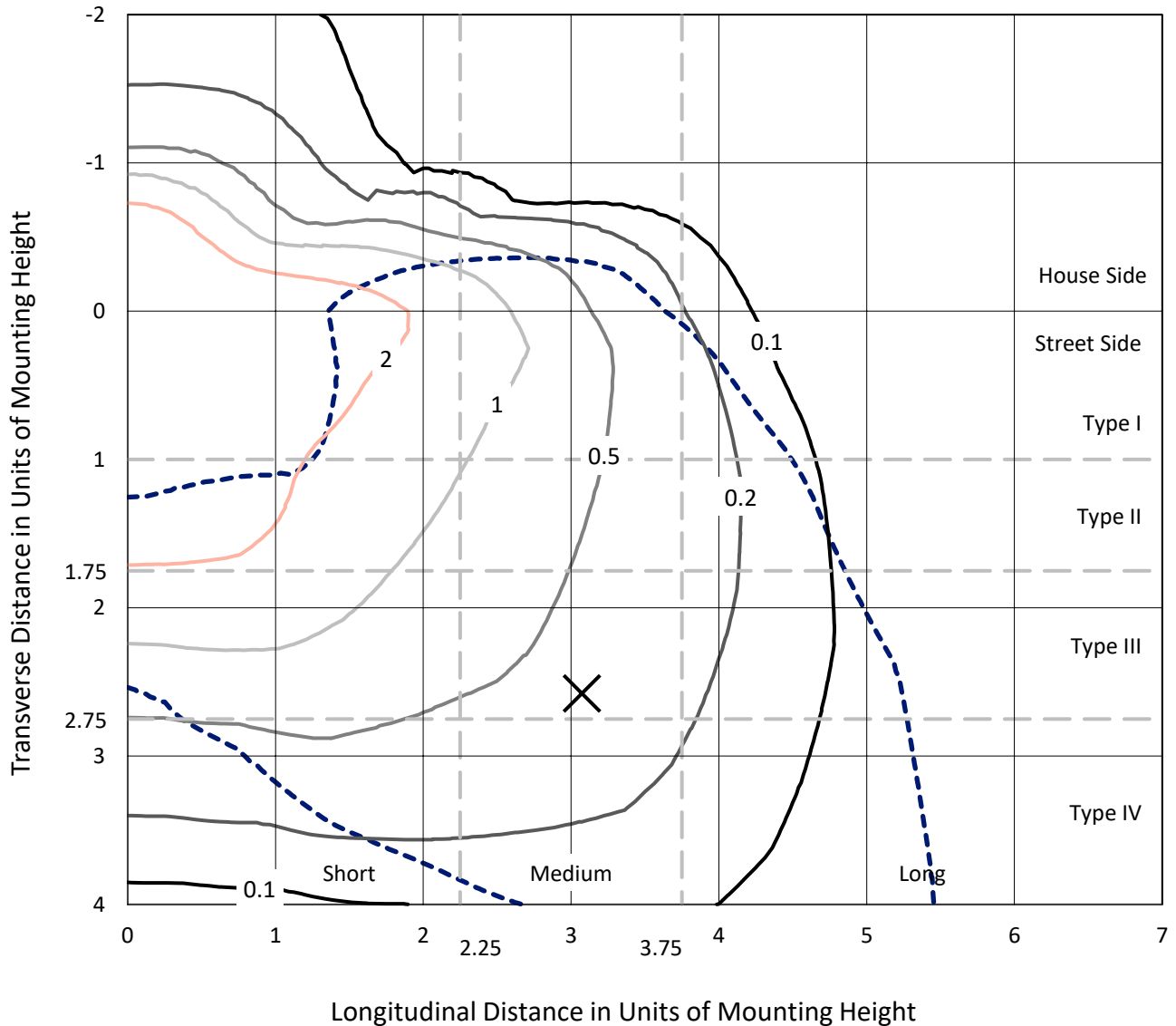
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

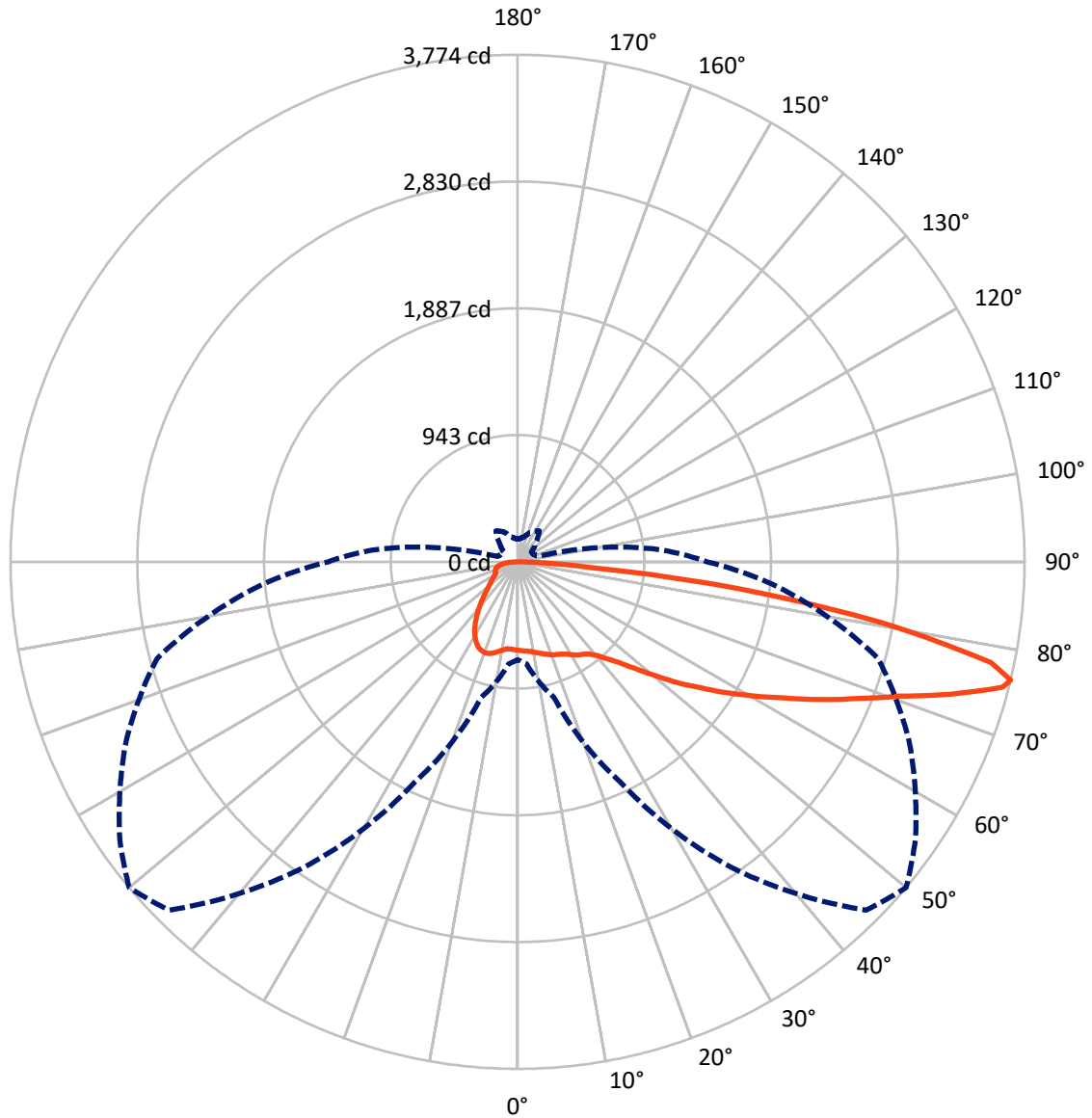
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

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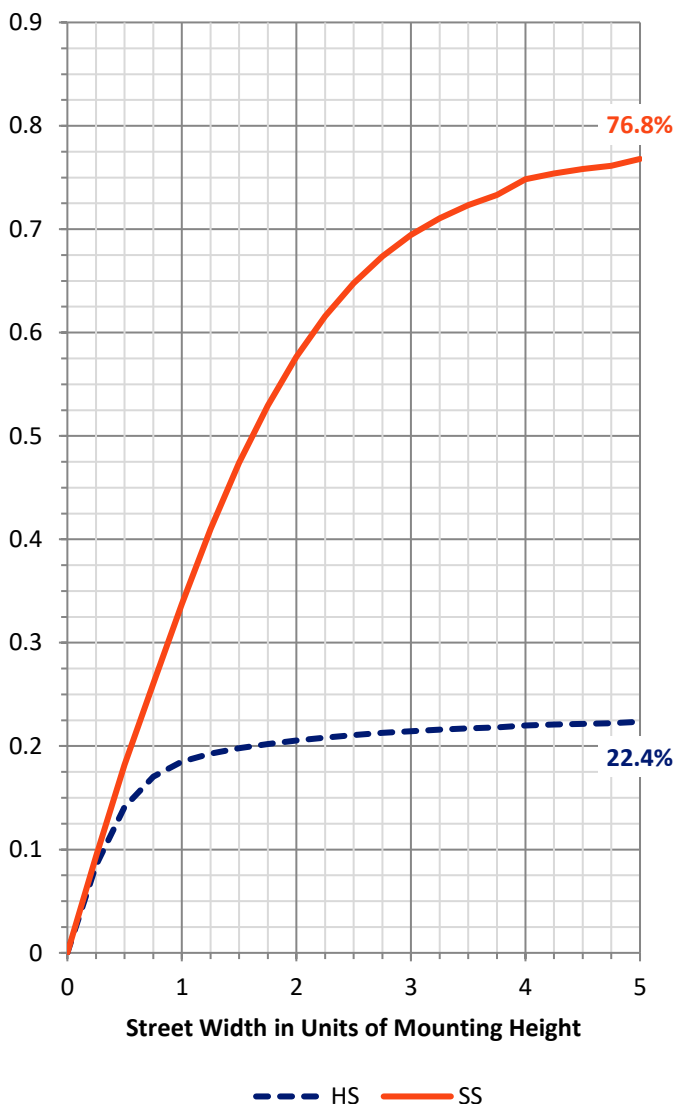
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.9	0.0	1379.9
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	4652.1	0.0	4652.1
	% Fixture	77.1	0.0	77.1
Total	Lumens	6032.0	0.0	6032.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	1.1
10°-20°	200.7	3.3
20°-30°	339.1	5.6
30°-40°	464.7	7.7
40°-50°	684.5	11.3
50°-60°	1076.7	17.9
60°-70°	1549.9	25.7
70°-80°	1409.3	23.4
80°-90°	243.3	4.0
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°	6032.0	100.0
0°-180°	6032.0	100.0

Coefficient of Utilization

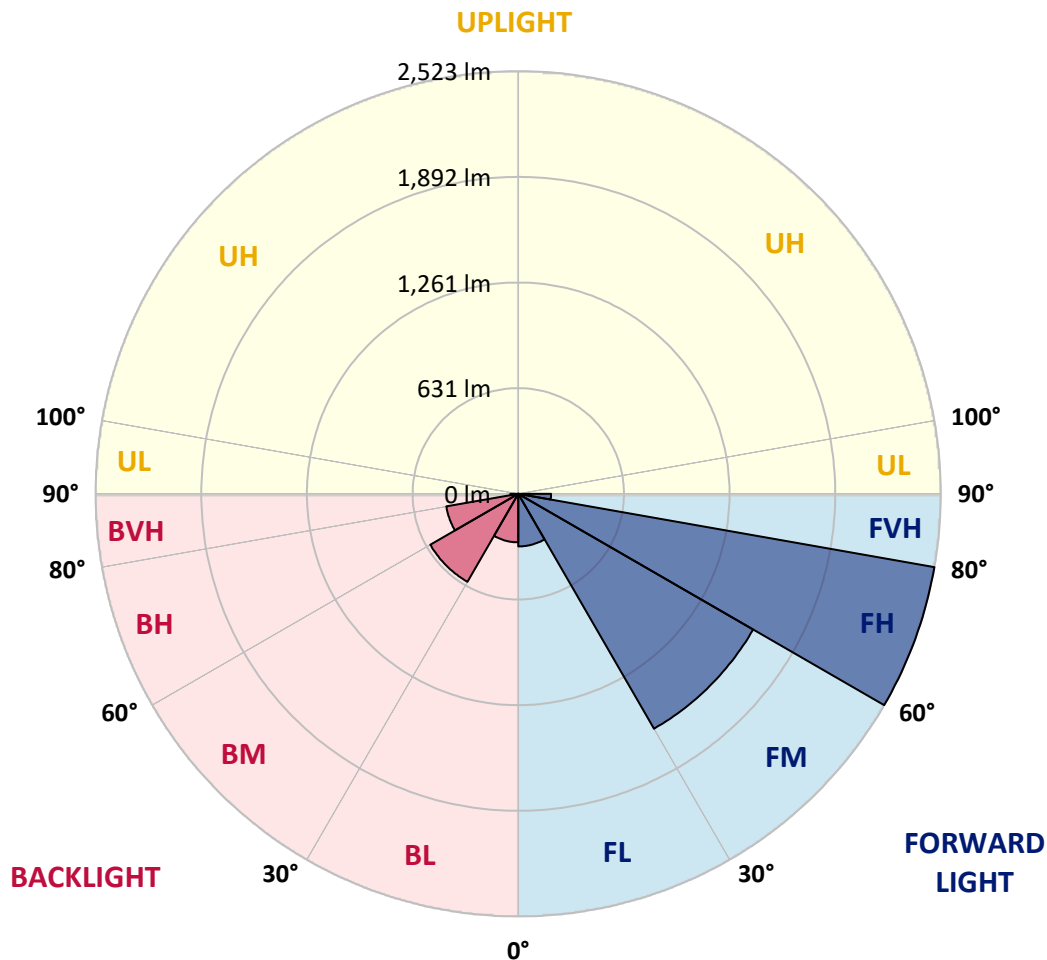


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.9	5.2			
FM (30°-60°)	1619.5	26.8			
FH (60°-80°)	2522.9	41.8			G2/5000
FVH (80°-90°)	195.8	3.2			G2/225
BL (0°-30°)	289.7	4.8	B1/500		
BM (30°-60°)	606.5	10.1	B1/1000		
BH (60°-80°)	436.3	7.2	B1/500		G1/500
BVH (80°-90°)	47.5	0.8			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	657.5	657.5	657.5	657.5	657.5	657.5	657.5	657.5	657.5	657.5	657.5
2.5°	672.2	672.2	673.7	670.8	670.8	663.4	663.4	661.9	659.0	657.5	654.5
5°	697.4	697.4	692.9	685.5	681.1	672.2	667.8	664.9	659.0	651.6	644.2
7.5°	724.0	721.0	718.1	706.2	697.4	681.1	673.7	669.3	657.5	647.1	642.7
10°	752.0	747.6	740.2	725.4	712.1	692.9	684.1	678.2	664.9	656.0	645.7
12.5°	768.3	768.3	759.4	741.7	724.0	700.3	695.9	688.5	675.2	663.4	653.0
15°	784.5	786.0	777.1	756.5	735.8	718.1	710.7	706.2	691.5	673.7	660.4
17.5°	800.8	799.3	790.4	766.8	744.6	728.4	724.0	718.1	703.3	687.0	673.7
20°	812.6	809.7	806.7	777.1	755.0	744.6	738.7	734.3	719.5	701.8	684.1
22.5°	815.6	818.5	815.6	780.1	762.4	750.6	749.1	744.6	732.8	716.6	698.8
25°	817.0	818.5	823.0	789.0	772.7	763.9	760.9	757.9	749.1	735.8	712.1
27.5°	824.4	825.9	825.9	794.9	786.0	780.1	777.1	777.1	772.7	756.5	732.8
30°	825.9	827.4	830.3	809.7	806.7	802.3	803.7	802.3	794.9	777.1	750.6
32.5°	836.2	837.7	845.1	818.5	821.5	825.9	827.4	825.9	811.1	796.4	774.2
35°	870.2	868.8	874.7	840.7	837.7	839.2	843.6	842.2	836.2	823.0	808.2
37.5°	979.6	979.6	963.3	892.4	870.2	867.3	870.2	877.6	879.1	867.3	855.5
40°	1171.6	1161.3	1152.4	998.8	927.9	910.1	919.0	923.4	935.2	935.2	935.2
42.5°	1369.6	1371.1	1368.1	1164.2	1031.3	987.0	988.4	998.8	1023.9	1028.3	1041.6
45°	1545.4	1555.8	1577.9	1356.3	1183.5	1084.5	1074.1	1084.5	1119.9	1149.5	1183.5
47.5°	1682.8	1671.0	1719.8	1557.3	1357.8	1217.4	1190.8	1193.8	1242.6	1289.8	1343.0
50°	1801.0	1804.0	1826.2	1762.6	1577.9	1368.1	1332.7	1326.8	1396.2	1446.4	1536.6
52.5°	1934.0	1925.1	1957.6	1942.9	1792.2	1552.8	1496.7	1478.9	1554.3	1625.2	1722.7
55°	1997.5	2006.4	2072.9	2109.8	1994.6	1718.3	1656.2	1662.2	1741.9	1817.3	1953.2
57.5°	2109.8	2118.7	2195.5	2272.3	2174.8	1894.1	1839.5	1839.5	1929.6	2013.8	2223.6
60°	2263.5	2265.0	2343.3	2476.2	2332.9	2064.0	2028.6	2027.1	2124.6	2222.1	2542.7
62.5°	2331.4	2349.2	2465.9	2638.8	2539.8	2272.3	2231.0	2242.8	2330.0	2443.7	2898.8
65°	2239.8	2278.3	2522.0	2748.1	2724.5	2489.5	2473.3	2489.5	2542.7	2665.4	3275.6
67.5°	1937.0	1988.7	2418.6	2822.0	2872.2	2740.7	2717.1	2714.1	2748.1	2885.5	3513.4
70°	1780.4	1811.4	2145.3	2850.0	2990.4	2994.8	2994.8	2975.6	2971.2	3071.7	3535.6
72.5°	1465.7	1498.2	1809.9	2693.4	3102.7	3334.7	3368.6	3297.7	3188.4	3167.7	3164.7
75°	1044.6	1068.2	1337.1	2118.7	2959.4	3661.2	3729.1	3591.7	3287.4	2957.9	2307.8
76°	728.4	762.4	1044.6	1809.9	2779.1	3667.1	3773.5	3613.9	3220.9	2777.6	1901.5
77.5°	369.4	381.2	604.3	1216.0	2325.5	3498.6	3602.1	3423.3	2931.3	2244.3	1207.1
80°	140.4	144.8	215.7	443.2	1276.5	2717.1	2757.0	2516.1	1939.9	958.9	434.4
82.5°	73.9	76.8	121.2	218.7	524.5	1493.7	1685.8	1403.6	760.9	288.1	127.1
85°	36.9	39.9	70.9	133.0	260.0	466.9	540.8	511.2	252.6	109.3	47.3
87.5°	14.8	17.7	35.5	59.1	104.9	91.6	101.9	131.5	81.3	51.7	16.3
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°	657.5	657.5	657.5	657.5	657.5	657.5	657.5	657.5	657.5	657.5	657.5
2.5°	654.5	653.0	654.5	653.0	654.5	654.5	656.0	653.0	653.0	656.0	651.6
5°	644.2	642.7	644.2	647.1	648.6	651.6	657.5	656.0	659.0	661.9	663.4
7.5°	639.7	638.3	642.7	644.2	648.6	654.5	663.4	669.3	672.2	678.2	675.2
10°	644.2	644.2	650.1	654.5	661.9	669.3	676.7	682.6	690.0	694.4	692.9
12.5°	651.6	650.1	660.4	666.3	676.7	684.1	690.0	692.9	698.8	704.8	703.3
15°	659.0	660.4	675.2	687.0	698.8	701.8	703.3	700.3	703.3	706.2	706.2
17.5°	673.7	675.2	691.5	704.8	715.1	712.1	704.8	697.4	697.4	698.8	700.3
20°	685.5	688.5	707.7	719.5	725.4	713.6	701.8	692.9	688.5	690.0	688.5
22.5°	698.8	704.8	724.0	729.9	721.0	706.2	691.5	679.6	679.6	681.1	681.1
25°	715.1	718.1	731.3	728.4	712.1	690.0	678.2	673.7	672.2	673.7	675.2
27.5°	729.9	731.3	738.7	718.1	687.0	663.4	659.0	660.4	661.9	663.4	664.9
30°	749.1	752.0	744.6	703.3	656.0	629.4	629.4	638.3	641.2	645.7	644.2
32.5°	772.7	775.7	753.5	684.1	616.1	589.5	591.0	604.3	613.2	616.1	617.6
35°	812.6	806.7	759.4	657.5	573.3	540.8	542.2	558.5	570.3	574.7	571.8
37.5°	861.4	859.9	768.3	623.5	520.1	490.5	492.0	499.4	511.2	512.7	514.2
40°	942.6	930.8	783.1	579.2	466.9	438.8	435.9	440.3	438.8	441.8	443.2
42.5°	1059.3	1028.3	802.3	528.9	419.6	390.1	387.1	379.7	370.8	362.0	357.5
45°	1196.8	1148.0	825.9	477.2	370.8	344.3	336.9	328.0	310.3	291.1	285.2
47.5°	1374.0	1281.0	852.5	425.5	325.0	304.4	298.4	285.2	264.5	242.3	237.9
50°	1555.8	1437.6	879.1	382.7	288.1	276.3	270.4	257.1	230.5	209.8	205.4
52.5°	1767.1	1592.7	907.2	344.3	255.6	255.6	251.2	230.5	205.4	186.2	183.2
55°	2010.8	1752.3	951.5	307.3	232.0	237.9	232.0	211.3	187.6	174.3	172.9
57.5°	2301.9	1954.7	1007.6	267.4	211.3	215.7	215.7	200.9	184.7	175.8	174.3
60°	2594.4	2160.1	1043.1	237.9	195.0	199.5	208.3	200.9	190.6	186.2	184.7
62.5°	2875.2	2369.9	982.5	212.8	178.8	192.1	214.2	215.7	205.4	206.8	206.8
65°	3085.0	2529.4	794.9	190.6	168.4	196.5	232.0	233.4	215.7	211.3	209.8
67.5°	3157.4	2573.8	534.8	175.8	162.5	199.5	252.6	246.7	215.7	206.8	202.4
70°	3019.9	2411.2	347.2	162.5	153.7	196.5	268.9	254.1	214.2	200.9	195.0
72.5°	2532.4	2056.6	232.0	150.7	144.8	193.5	279.2	254.1	209.8	190.6	184.7
75°	1758.2	1405.1	172.9	135.9	131.5	189.1	282.2	249.7	199.5	178.8	174.3
76°	1411.0	1053.4	156.6	130.0	125.6	186.2	280.7	245.3	192.1	172.9	168.4
77.5°	890.9	605.8	131.5	119.7	116.7	180.3	274.8	234.9	181.7	162.5	158.1
80°	311.7	221.6	100.5	97.5	99.0	167.0	258.6	214.2	161.0	143.3	137.4
82.5°	124.1	101.9	75.4	75.4	78.3	143.3	233.4	189.1	140.4	118.2	109.3
85°	48.8	44.3	53.2	53.2	56.1	116.7	195.0	147.7	96.0	73.9	70.9
87.5°	14.8	20.7	23.6	25.1	26.6	59.1	110.8	65.0	42.8	31.0	25.1
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)