

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: P887643

Luminaire Tested: **TT-D2-830-U-DL-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D2-830-U-DL-TC
Description: DL
3000K, 80 CRI LEDS, DRIVE LANE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3469 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 40.5
Input Voltage (V): 120.0
Input Current (Ain): 0.34
Voltage Rise (V): NR
Power Factor: 0.972
Total Harmonic Distortion (THDi): 15.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

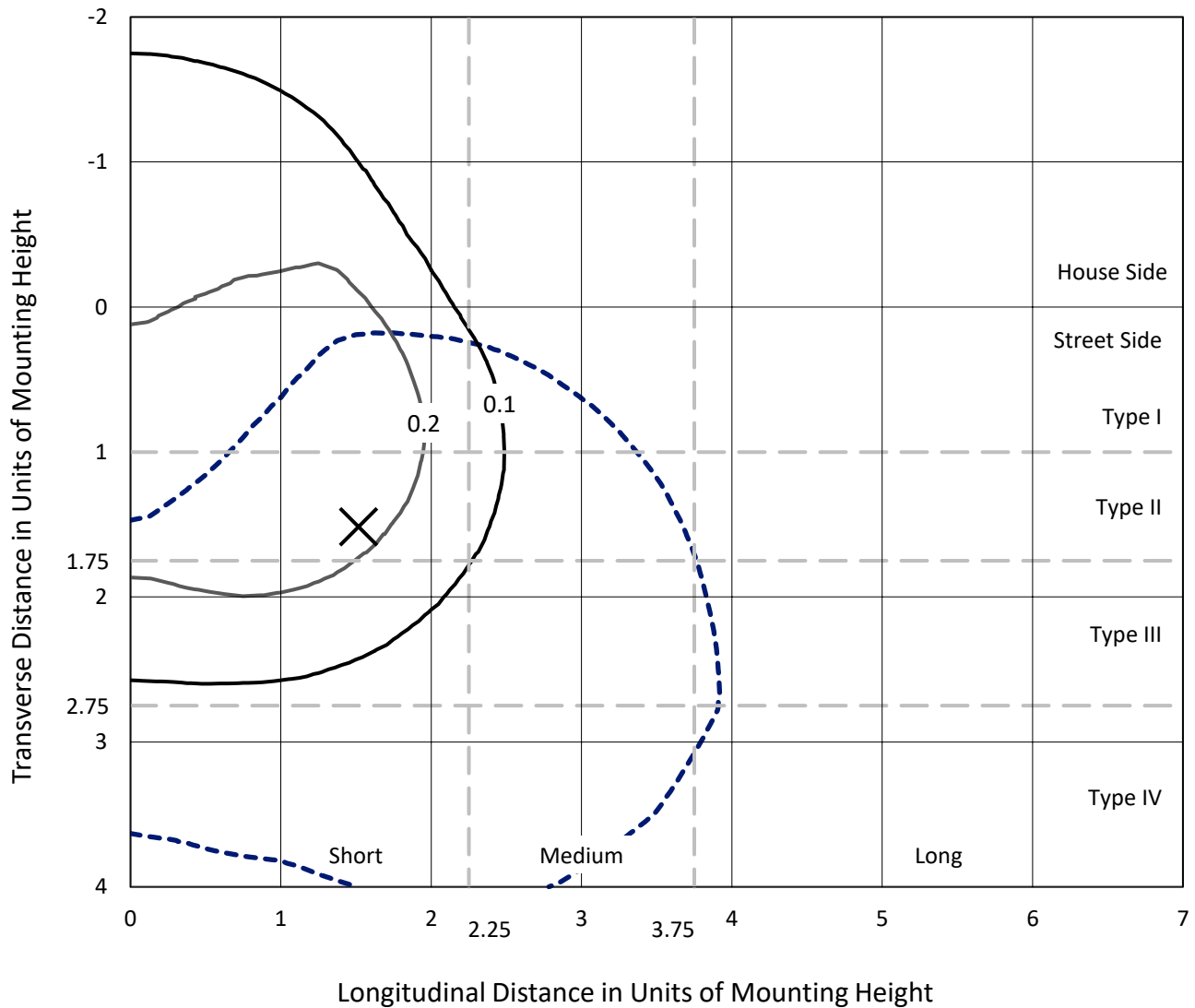


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Iso-Footcandle Lines of Horizontal Illumination

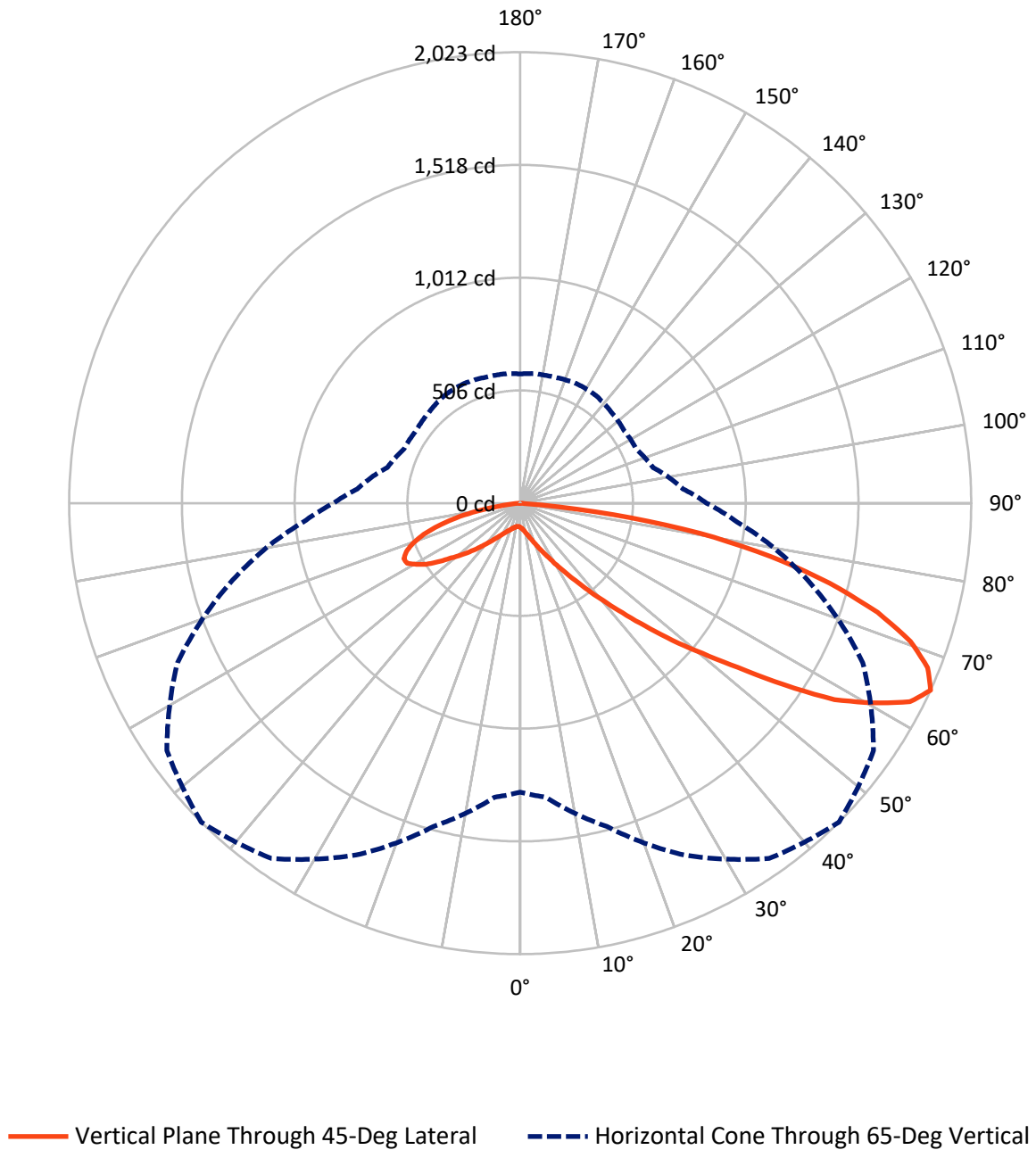
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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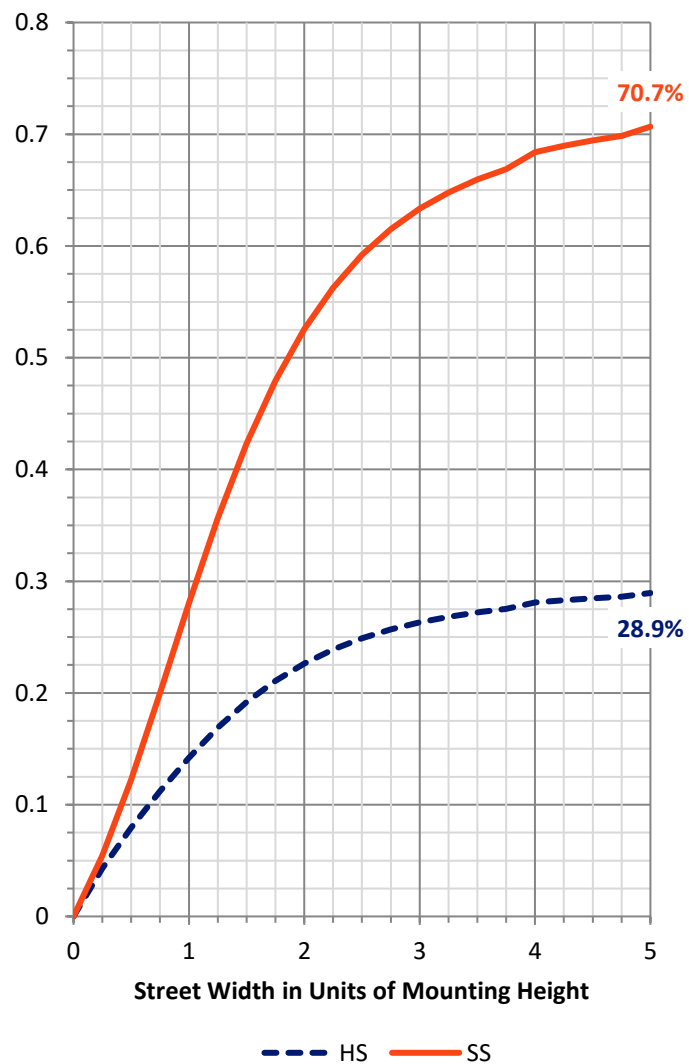
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1005.3	0.0	1005.3
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	2463.7	0.0	2463.7
	% Fixture	71.0	0.0	71.0
Total	Lumens	3469.0	0.0	3469.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.3
10°-20°	39.7	1.1
20°-30°	90.5	2.6
30°-40°	191.8	5.5
40°-50°	398.1	11.5
50°-60°	764.8	22.0
60°-70°	1060.5	30.6
70°-80°	798.4	23.0
80°-90°	114.2	3.3
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°	3469.0	100.0
0°-180°	3469.0	100.0

Coefficient of Utilization



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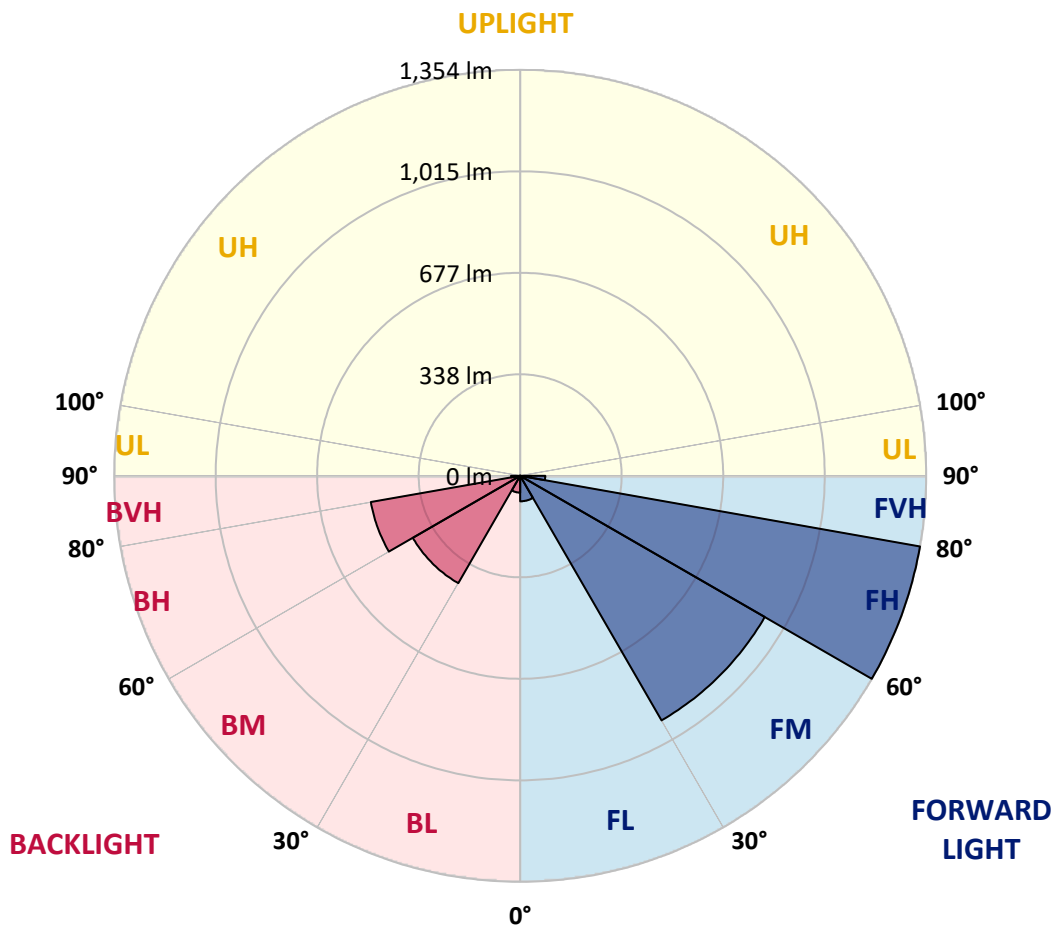
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.0	2.5			
FM	(30°-60°)	941.5	27.1			
FH	(60°-80°)	1353.6	39.0			G1/1800
FVH	(80°-90°)	83.6	2.4			G1/100
BL	(0°-30°)	56.1	1.6	B0/110		
BM	(30°-60°)	413.2	11.9	B1/1000		
BH	(60°-80°)	505.3	14.6	B2/1000		G2/1000
BVH	(80°-90°)	30.6	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
2.5°	114.7	114.7	114.0	114.0	113.2	112.5	112.5	111.7	110.2	109.5	109.5
5°	121.5	121.5	120.7	120.7	119.2	117.7	117.0	116.2	114.7	112.5	111.7
7.5°	129.7	129.7	129.7	128.9	126.7	125.2	123.7	121.5	119.2	117.0	115.5
10°	140.9	140.2	140.2	138.7	136.4	134.2	131.9	129.7	126.0	122.2	120.7
12.5°	153.7	152.9	152.2	151.4	148.4	145.4	142.4	139.4	134.2	129.7	126.7
15°	167.9	167.2	166.4	165.7	162.7	158.9	155.2	150.7	143.9	137.9	134.9
17.5°	186.7	185.9	185.2	184.4	179.9	176.2	170.9	164.2	155.9	147.7	143.9
20°	205.4	205.4	205.4	203.9	200.9	196.4	190.4	181.4	171.7	159.7	154.4
22.5°	227.9	227.9	229.4	227.9	224.9	219.7	212.9	202.4	188.2	173.9	166.4
25°	254.1	254.1	256.4	256.4	253.4	247.4	239.2	225.7	207.7	191.2	181.4
27.5°	284.9	284.1	288.6	289.4	286.4	280.4	270.6	254.9	230.2	209.9	198.7
30°	320.9	319.4	325.4	327.6	326.1	321.6	308.9	290.1	260.9	233.2	218.9
32.5°	356.1	360.6	366.6	371.9	371.9	368.9	354.6	332.1	296.1	259.4	243.7
35°	401.1	405.6	418.3	423.6	425.8	425.8	410.8	385.3	341.1	296.9	275.1
37.5°	452.1	457.3	473.8	483.6	491.1	494.8	482.1	447.6	392.1	333.6	310.4
40°	509.8	516.5	537.5	553.3	569.0	575.8	563.8	520.3	450.6	379.3	350.1
42.5°	574.3	581.8	609.5	634.2	659.7	671.7	657.5	607.3	522.5	433.3	398.1
45°	645.5	654.5	692.0	728.0	762.4	784.9	771.4	716.0	613.3	502.3	458.8
47.5°	724.2	734.7	782.7	832.2	882.4	919.1	901.1	841.2	723.5	589.3	534.5
50°	807.4	820.9	881.7	943.1	1015.1	1058.6	1045.8	984.4	840.4	681.5	614.8
52.5°	892.1	903.4	985.1	1067.6	1155.3	1224.3	1231.8	1176.3	1024.8	832.9	745.2
55°	980.6	995.6	1090.1	1192.0	1305.2	1439.4	1482.2	1402.7	1175.5	921.4	811.2
57.5°	1069.8	1083.3	1182.3	1320.2	1495.7	1662.8	1674.8	1518.9	1246.8	962.6	840.4
60°	1142.5	1157.5	1275.2	1462.7	1675.6	1819.5	1779.8	1583.4	1285.7	981.4	853.2
62.5°	1199.5	1219.0	1393.7	1614.1	1846.5	1962.7	1873.5	1641.9	1306.7	980.6	847.2
65°	1297.0	1324.7	1501.7	1742.3	1946.2	2023.4	1935.0	1696.6	1335.2	976.9	836.7
67.5°	1346.5	1365.2	1521.1	1743.8	1921.5	1971.7	1884.8	1649.3	1307.5	951.4	802.2
70°	1282.0	1309.7	1453.7	1674.1	1828.5	1857.8	1778.3	1542.9	1218.3	871.9	731.7
72.5°	1162.0	1183.0	1308.2	1526.4	1655.3	1676.3	1611.9	1384.0	1081.1	757.2	627.5
75°	979.9	997.9	1093.1	1297.0	1413.2	1434.2	1381.0	1164.3	902.6	620.0	509.0
77.5°	747.5	758.0	831.4	1016.6	1129.1	1147.0	1099.1	901.1	691.2	463.3	376.4
80°	471.6	477.6	549.5	703.2	805.9	816.4	775.9	608.0	455.8	295.4	229.4
82.5°	193.4	191.9	230.2	361.4	440.8	422.1	434.8	279.6	208.4	127.4	95.2
85°	12.0	9.0	6.7	18.7	18.0	15.0	26.2	6.0	10.5	9.7	7.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
2.5°	108.7	108.0	107.2	106.5	105.7	105.0	105.0	104.2	104.2	104.2
5°	111.0	108.7	108.0	105.7	104.2	103.5	103.5	102.7	102.7	102.7
7.5°	114.0	111.7	109.5	107.2	105.0	103.5	102.7	102.7	102.0	102.0
10°	118.5	115.5	112.5	109.5	107.2	105.7	104.2	103.5	103.5	103.5
12.5°	125.2	120.0	116.2	112.5	110.2	108.0	106.5	105.7	105.7	105.7
15°	131.9	126.0	121.5	117.0	114.0	111.0	110.2	109.5	109.5	109.5
17.5°	140.2	132.7	126.7	121.5	118.5	115.5	114.7	114.0	114.0	113.2
20°	149.9	140.9	133.4	127.4	124.5	121.5	120.0	120.0	119.2	119.2
22.5°	160.4	149.2	140.9	134.2	131.2	127.4	126.7	126.7	126.7	126.0
25°	173.9	158.9	149.9	142.4	138.7	135.7	134.9	135.7	135.7	134.9
27.5°	189.7	170.9	159.7	151.4	148.4	145.4	145.4	145.4	146.9	145.4
30°	207.7	186.7	171.7	162.7	159.7	156.7	157.4	158.9	159.7	158.9
32.5°	228.7	202.4	186.7	176.2	173.2	170.2	171.7	174.7	176.9	173.9
35°	256.4	224.2	204.7	193.4	190.4	188.2	190.4	193.4	195.7	194.2
37.5°	285.6	247.4	225.7	212.9	209.9	207.7	210.7	214.4	217.4	215.2
40°	320.1	273.6	248.9	236.2	234.7	230.9	234.7	239.2	242.9	240.7
42.5°	360.6	305.9	276.6	262.4	261.6	257.9	261.6	266.9	270.6	269.1
45°	412.3	344.9	310.4	293.1	293.1	287.9	292.4	297.6	303.6	299.1
47.5°	476.8	395.8	350.1	326.1	326.9	322.4	325.4	330.6	336.6	332.1
50°	549.5	450.6	395.1	365.9	362.9	357.6	362.9	366.6	371.9	370.4
52.5°	654.5	532.3	458.1	410.8	402.6	395.1	400.3	400.3	407.1	405.6
55°	716.7	592.3	522.5	474.6	452.8	435.6	437.8	439.3	443.8	442.3
57.5°	743.7	615.5	554.0	521.8	503.8	482.1	476.1	472.3	479.1	478.3
60°	752.0	623.8	566.0	546.5	540.5	527.0	516.5	508.3	509.0	508.3
62.5°	744.5	621.5	572.0	562.3	575.0	572.8	564.5	542.0	536.8	533.8
65°	733.2	617.0	575.0	569.0	578.0	590.8	593.0	585.5	584.0	579.5
67.5°	703.2	588.5	548.0	548.0	554.0	579.5	593.0	598.3	595.3	593.8
70°	638.7	538.3	507.5	509.0	513.5	549.5	569.8	578.8	567.5	569.0
72.5°	548.8	468.6	448.3	454.3	455.1	496.3	521.0	529.3	518.0	521.8
75°	443.1	383.1	372.6	383.8	383.1	420.6	443.8	453.6	443.8	452.1
77.5°	327.6	287.1	285.6	300.6	296.1	330.6	348.6	359.1	354.6	360.6
80°	206.2	186.7	191.9	208.4	197.9	228.7	242.2	250.4	242.9	251.2
82.5°	90.0	87.7	96.0	108.0	93.7	117.7	125.2	128.2	119.2	127.4
85°	6.0	6.7	7.5	9.7	3.7	9.0	13.5	10.5	9.0	8.2
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	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

(END OF REPORT)